

**An Index to the Publications of the
Staff of the Western Region,
Department of Fisheries and
Oceans, 1980-81**

K.E. Marshall and M. Layton

Western Region
Department of Fisheries and Oceans
Winnipeg, Manitoba R3T 2N6

June 1984

**Canadian Technical Report of
Fisheries and Aquatic Sciences
No. 1273**

Canadian Technical Report of Hydrography and Ocean Sciences

Technical reports contain scientific and technical information that contributes to existing knowledge but which is not normally appropriate for primary literature. The subject matter is related generally to programs and interests of the Ocean Science and Surveys (OSS) sector of the Department of Fisheries and Oceans.

Technical reports may be cited as full publications. The correct citation appears above the abstract of each report. Each report is abstracted in *Aquatic Sciences and Fisheries Abstracts* and indexed in the Department's annual index to scientific and technical publications.

Technical reports are produced regionally but are numbered nationally. Requests for individual reports will be filled by the issuing establishment listed on the front cover and title page. Out of stock reports will be supplied for a fee by commercial agents.

Regional and headquarters establishments of Ocean Science and Surveys ceased publication of their various report series as of December 1981. A complete listing of these publications is published in the *Canadian Journal of Fisheries and Aquatic Sciences*, Volume 39: Index to Publications 1982. The current series, which begins with report number 1, was initiated in January 1982.

Rapport technique canadien sur l'hydrographie et les sciences océaniques

Les rapports techniques contiennent des renseignements scientifiques et techniques qui constituent une contribution aux connaissances actuelles, mais qui ne sont pas normalement appropriés pour la publication dans un journal scientifique. Le sujet est généralement lié aux programmes et intérêts du service des Sciences et levés océaniques (SLO) du ministère des Pêches et des Océans.

Les rapports techniques peuvent être cités comme des publications complètes. Le titre exact paraît au-dessus du résumé de chaque rapport. Les rapports techniques sont résumés dans la revue *Résumés des sciences aquatiques et halieutiques*, et ils sont classés dans l'index annuel des publications scientifiques et techniques du Ministère.

Les rapports techniques sont produits à l'échelon régional, mais numérotés à l'échelon national. Les demandes de rapports seront satisfaites par l'établissement auteur dont le nom figure sur la couverture et la page du titre. Les rapports épuisés seront fournis contre rétribution par des agents commerciaux.

Les établissements des Sciences et levés océaniques dans les régions et à l'administration centrale ont cessé de publier leurs diverses séries de rapports en décembre 1981. Une liste complète de ces publications figure dans le volume 39, Index des publications 1982 du *Journal canadien des sciences halieutiques et aquatiques*. La série actuelle a commencé avec la publication du rapport numéro 1 en janvier 1982.

Canadian Technical Report of
Fisheries and Aquatic Sciences 1273

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AN INDEX TO THE PUBLICATIONS OF THE STAFF
OF THE WESTERN REGION,
DEPARTMENT OF FISHERIES AND OCEANS, 1980-81

by

K.E. Marshall and M. Layton

Western Region
Department of Fisheries and Oceans
Winnipeg, Manitoba R3T 2N6

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TABLE OF CONTENTS

	<u>Page</u>
ABSTRACT/RESUME	iv
INTRODUCTION	1
Format	1
Availability of publications	2
ACKNOWLEDGMENTS	2
LIST OF PUBLICATIONS	3
Reprints	3
Technical Reports	13
Manuscript Reports	13
Data Reports	14
AUTHOR INDEX	15
Notes	15
SUBJECT, KEYWORD, GEOGRAPHIC, TITLE, AND TAXONOMIC INDEX	38
Notes	38
Abbreviations used	38
Index	38

ABSTRACT

MARSHALL, K.E., and M. LAYTON 1984 An index to the publications of the staff of the Western Region, Department of Fisheries and Oceans, 1980-81. Can. Tech. Rep. Fish. Aquat. Sci. 1273: iv + 82 p.

The scientific and technical publications of the staff of the Western Region, including both reports and reprints of papers published in periodicals and books, are listed. Access to publications is provided by an author index as well as a combined titles and subject index.

Key words: bibliographic information; bibliographies; documentation.

RESUME

MARSHALL, K.E., and M. LAYTON 1984 An index to the publications of the staff of the Western Region, Department of Fisheries and Oceans, 1980-81. Can. Tech. Rep. Fish. Aquat. Sci. 1273: iv + 82 p.

Le présent ouvrage contient une liste des travaux scientifiques et techniques publiés par les scientifiques du Région de l'ouest, Département des Pêches et Océans, comprenant à la fois des rapports et des tirés à part qui ont paru dans des revues et des livres. On donne l'accès aux publications par un index aux auteurs et aussi par un index des titres et des sujets.

Mots-clés: information bibliographique; bibliographies; documentation.

INTRODUCTION

This report has been prepared in order to provide a list of the publications of the staff of the region and to help you to find publications on a particular subject or by a particular staff member.

Technical Reports No. 505, 620, 764 and 992 provided similar information for publications issued in 1944-73, 1974-75, 1976-77 and 1978-79 respectively.

This report covers publications by the staff published mainly in 1980 and 1981. However some earlier publications which missed being covered by Report No. 992 are included.

FORMAT

The format of this report is similar to that used in the earlier indexes in that the first part is a list of the publications; the second part is comprised of separate author and subject indexes.

The list of publications is divided into four parts:

1. Reprints of papers by staff published in scientific and technical periodicals and books. These are listed in the order that they were received at the Institute. This sequence is approximately in the order of publication. In the index they are listed by number with no letter prefix.
2. Technical Reports of the Department of Fisheries and Oceans are listed in numerical order. In the index they are referred to as TR123, etc.
3. Manuscript Reports of the Department of Fisheries and Oceans are listed in numerical order and in the index are referred to as MR1234, etc. Only small numbers of each report were printed. Requests for these reports should include mention of the reason why they are of significance to the requester.
4. Data Reports of the Department of Fisheries and Oceans are listed in numerical order. These are referred to in the index as DR123, etc. Only small numbers of each report were printed. Requesters should indicate why they need the specialized information in these reports.

Full bibliographic details of each publication are given only in the list of publications and the author index. Abbreviations for journal titles in the list of publications follow Serial Sources for the BIOSIS Data Base 1982.

Reports of a confidential nature are not included in this index.

INTRODUCTION

Le présent rapport contient une liste des publications du personnel de la région. Cette liste est destinée à orienter vos recherches lorsque vous désirez vous procurer un ouvrage paru sur un sujet donné ou publié par un membre du personnel.

Les rapports techniques nos 505, 620, 764 et 992 donnaient des renseignements analogues sur les publications parues au cours des périodes 1944-73, 1974-75, 1976-77 et 1978-79 respectivement.

Le présent rapport énumère principalement les publications du personnel parues en 1980 et 1981 mais également quelques ouvrages antérieurs qui ne figuraient pas dans le rapport n° 992.

PRESENTATION

Ce rapport se présente comme les rapports précédents, c'est-à-dire, que la première partie contient une liste des publications et la deuxième est comprise d'un index aux auteurs et aux sujets, etc.

La liste des publications se divise en quatre parties:

1. Reproduction d'études du personnel parues dans des périodiques et des ouvrages techniques ou scientifiques. Ces études sont énumérées dans l'ordre où elles ont été reçues à l'Institut, lequel correspond grosso modo à leur ordre de publication. Ces documents sont désignés dans l'index par un chiffre sans préfixe alphabétique.
2. Rapports techniques du ministère des pêches et des océans. Ces rapports sont énumérés par ordre numérique et désignés dans l'index par les codes TR123, etc.
3. Rapports techniques du ministère des pêches et des océans. Ces rapports sont énumérés par ordre numérique et désignés dans l'index par les codes MR1234, etc. Chacun de ces rapports a été imprimé en un nombre limité d'exemplaires. Prière d'indiquer dans la demande en quoi ce rapport peut vous être utile.
4. Rapports de données du ministère des pêches et des océans. Ces rapports sont énumérés par ordre numérique et désignés dans l'index par les codes DR123, etc. Chacun de ces rapports a été imprimé en un nombre limité d'exemplaires. Prière d'indiquer pourquoi vous avez besoin des renseignements spécialisés contenus dans ces rapports.

Seule la liste des publications et l'index aux auteurs contient des références bibliographiques complètes sur chaque publication.

AVAILABILITY OF PUBLICATIONS

Stocks of many of the publications listed in this index are available for distribution from the Library of the Freshwater Institute. Some of the reprints listed have been given "a" numbers (e.g. 675a); these are not available for free distribution from the Freshwater Institute Library. They are included only to record fully the publications of the staff.

Stocks for free distribution of some of the publications may have become exhausted. On request we will try to supply xerox copies through our interlibrary loans service at the current rate.

Requests for publications should be addressed to:

Freshwater Institute Library
501 University Crescent
WINNIPEG Manitoba Canada R3T 2N6

Copies of our Reports are also available, either as microfiche or paper copies from Micromedia Limited, 144 Front Street West, Toronto, Ontario, Canada, M5J 1G2. The Reports available from Micromedia are indexed in their Microlog Index. Prices currently are \$5.00 per fiche or \$6.35 for paper copy of 20 pages or less.

ACKNOWLEDGMENTS

Thanks are due to Lesley Fletcher, Victoria Siegers and Carol Catt for their assistance and patience in preparing this report.

On trouvera des explications sur les abréviations de titres de journaux employées dans la liste des publications sous la rubrique intitulée: Serial Sources for the BIOSIS Data Base 1982.

L'index ne mentionne pas les rapports de nature confidentielle.

DISPONIBILITE DES PUBLICATIONS

Un grand nombre de ces publications peuvent être obtenues en s'adressant à la bibliothèque de l'Institut des eaux douces. Certaines réimpressions sont désignées par un chiffre suivi de la lettre "a". Ces documents ne sont pas distribués par la bibliothèque de l'Institut. Nous les citons uniquement pour vous donner une image complète des publications du personnel.

Certains stocks sont peut-être épuisés, auquel cas nous vous ferons parvenir sur demande par l'entremise de notre service de prêts interbibliothèques des copies des publications que vous recherchez moyennant le tarif en vigueur.

Prière d'adresser vos demandes à:

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Vous pouvez également obtenir des copies de nos rapports soit sous forme de microfiches, soit sous forme imprimée en vous adressant à: Micromedia Limited, 144 Front Street West, Toronto, Ontario, Canada, M5J 1G2. Les rapports que vous pouvez vous procurer auprès de Micromedia sont énumérés dans leurs répertoire "Microlog". Voici les tarifs actuellement en vigueur: microfiche: \$5.00 chaque; imprimé: \$6.25, 20 pages ou moins.

REMERCIEMENTS

Nos remerciements sont du à Lesley Fletcher, Victoria Siegers, et Carol Catt pour leur assistance et leur patience dans la préparation de ce rapport.

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- 590c FLANNAGAN, J.F. & D.G. COBB 1979 The use of the snail *Helisoma trivolvis* in a multigeneration mortality, growth and fecundity test, p.19-26. In E. Scherer (ed.) *Toxicity tests for freshwater organisms*. *Can. Spec. Publ. Fish. Aquat. Sci.* 44.
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- 590m LOCKHART, W.L. & D.A. METNER 1979 Biochemical tests for fish, p.119-130. In E. Scherer (ed.) Toxicity tests for freshwater organisms. Can. Spec. Publ. Fish. Aquat. Sci. 44.
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 - 613 HESSLEIN, R.H. 1980 Whole-lake model for the distribution of sediment-derived chemical species. *Can. J. Fish. Aquat. Sci.* 37(3): 552-558.
 - 614 CANADIAN JOURNAL OF FISHERIES AND AQUATIC SCIENCES Vol.37, No.3, March 1980.
- (This is the third Experimental Lakes Area volume. It contains all of the papers listed as No.594 - 613 above and also the following papers:
- MARSHALL, J.S. & D.L. MELLINGER Dynamics of cadmium-stressed plankton communities. p.403-414.
 - DeNOYELLES, F., R. KNOECHEL, D. REINKE, D. TREANOR & C. ALTENHOFEN Continuous culturing of natural phytoplankton communities in the Experimental Lakes Area: effects of enclosure, in situ incubation, light, phosphorus, and cadmium. p.424-433.
 - KNOECHEL, R. & F. DeNOYELLES Analysis of the response of hypolimnetic phytoplankton in continuous culture to increased light or phosphorus using track autoradiography. p.434-441.
 - BOWER, P. & D. McCORKLE Gas exchange, photosynthetic uptake, and carbon budget for a radiocarbon addition to a small enclosure in a stratified lake. p.464-471.
 - CHAN, Y.K. & N.E.R. CAMPBELL Denitrification in Lake 227 during summer stratification. p.506-512.)
 - 614a FLANNAGAN, J.F., B.E. TOWNSEND, B.G.E. DE MARCH, M.K. FRIESEN, & S.L. LEONHARD 1980 Effects of an experimental injection of methoxychlor in 1974 on aquatic invertebrates: accumulation, standing crop, and drift, p.131-139. In W.O. Haufe & G.C.R. Croome (ed.) Control of black flies in the Athabasca River - technical report. Alberta Environment, [Edmonton].
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NOTES

1. Entries are made under each staff member who is an author of a publication. Reports written under contract have entries under the senior author only.
2. Papers by an author on his own are listed first in date sequence (oldest first); these are followed by those papers in which the author is senior author (in alphabetical order by second author); finally there is a list of those publications in which the author is a junior author (in alphabetical order by first author).
3. Citations to papers in journals are abbreviated; a period marks the end of the title. This is followed by the journal abbreviation, volume number, part number in parentheses, date and finally the reprint number in brackets.

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SUBJECT, KEYWORD, GEOGRAPHIC, TITLE AND TAXONOMIC INDEX

NOTES

There are entries under the title (shortened if long) of each publication; significant words from the titles are also indexed. Taxonomic entries are under the common names of higher plants and vertebrates and under the Latin names of invertebrates and lower plants. Cross references are provided from Latin to common names and vice versa as appropriate. As far as possible all significant geographic areas covered by our publications have been listed. This includes mention of the numbered lakes in our Aquaculture Study Area and Experimental Lakes Area.

As an aid to identifying the paper cited, the author and date of publication are given in parentheses before the reprint or report number. Reference should be made to pages 1-2 of this report for the explanation of the system of numbering the publications indexed. This number is the final item in each entry.

Cross references are provided to help users find the form of entry used in the index. "See also" references are provided to lead users to closely related entries when the compilers felt they would be useful.

ABBREVIATIONS USED

Alta	Alberta
AOSERP	Alberta Oil Sands Environmental Research Program
ATP	Adenosine triphosphate
BC	British Columbia
C	Central, carbon
detn	Determination
DFO	Department of Fisheries and Oceans
E	East(ern)
ELA	Experimental Lakes Area
FWI	Freshwater Institute
Gt	Great
I.	Island
L.	Lake, lakes
Man.	Manitoba
Mich.	Michigan
N	North(ern), nitrogen
NWT	Northwest Territories
Ont.	Ontario
PCB	Polychlorinated biphenyl
R.	River
Sask.	Saskatchewan
S	South(ern)
SE	Southeast
SIL	Societas Internationalis Limnologiae
W	West(ern)

The standard symbols for chemical elements are also used (e.g. Hg=mercury).

INDEX

Abate

effects on chlorophyll a of standing ponds [PAPST 1980] 620a
persistence [HUGHES 1980] 622a

Abundance, seasonal

zooplankton in L.223, 1974-79 [CHANG 1981] DR290

Accumulation

methoxychlor in aquatic invertebrates [FLANNAGAN 1980] 614a

Accumulation of chemostimulatory amino acids by

fraction from olfactory rosettes of rainbow trout [BROWN 1981] 663

Acephate

brain acetylcholinesterase inhibition in rainbow trout [KLAVERKAMP 1980] 637

Acetylcholinesterase

inhibition in rainbow trout brain [KLAVERKAMP 1980] 637

Acetylene reduction

comparison with N-15 uptake for estimating N fixation [GRAHAM 1980] 607a (614)
nitrogen fixation in Canadian Precambrian Shield lakes [FLETT 1980] 608 (614)

Acid precipitation

atmosphere-biosphere interactions [SCHINDLER 1981] 675i
chironomid communities in Norwegian lakes [RADDUM 1981] 672
decreased survival & calcium uptake by Orco-nectes in low pH [MALLEY 1980] 600 (614)
ecological effects of whole-lake acidification [SCHINDLER 1980] 648a
effects on Canadian lakes & fisheries [SCHINDLER 1980] 648n
effects on mobilization of heavy metals from sediments [SCHINDLER 1980] 601 (614)
effects on zooplankton in Shield lake [LAWRENCE 1980] TR975 646d
experimental acidification of L.223: back-ground data [SCHINDLER 1980] 598 (614)
experimental manipulation of whole lakes [SCHINDLER 1981] 675h
response of zooplankton to whole lake chemical modifications [MALLEY 1980] 648j
sulfur dioxide emissions [SCHINDLER 1981] 675c

Acidification

chironomid communities in Norwegian lakes [RADDUM 1981] 672
ecological effects of whole-lake acidification [SCHINDLER 1980] 648a
effects on embryonic development of lake trout [KENNEY 1980] TR975 646b
effects on growth of periphyton [MULLER 1980] 599 (614)
effects on mobilization of heavy metals from sediments [SCHINDLER 1980] 601 (614)
effects on phytoplankton in L.223 as result of lowering pH [FINDLAY 1980] MR1585
experimental acidification of a whole lake [SCHINDLER 1980] 647
experimental acidification of L.223: background data [SCHINDLER 1980] 598 (614)

experimental manipulation of whole lakes
[SCHINDLER 1981] 675h
experimental study of trace metal chemistry in
soft-water lakes [JACKSON 1980] 602a (614)
response of zooplankton to whole lake chemical
modifications [MALLEY 1980] 648j
species composition of zooplankton in L.223,
1974-79 [CHANG 1981] DR290

Acroneuria

head cholinesterase as indicator of exposure
to fenitrothion [FLANNAGAN 1981] 659

Activity/structure relationships of olfactory
stimulants [HARA 1981] 675e

Acute lethal toxicity
residual oxygen test [GILES 1979] 590e

Acute & long term effects of methoxychlor lar-
viciding on aquatic invertebrates [FLANNAGAN
1980] 614b

Acute toxicity
Cd to nymphs of Hexagenia [LEONHARD 1980] 586

Advances in Ephemeroptera biology [FLANNAGAN
1980] 581a

Advantages & disadvantages of using inverte-
brates in toxicity testing [MACIOROWSKI
1980] 643

Age

goldeye in Wood Buffalo National Park
[KRISTENSEN 1981] MR1560
walleye in S.Indian L. [BODALY 1980] TR931

Age composition

Arctic charr from Baffin region [KRISTOFFERSON
1981] DR255

Age determination

comparison of fin-ray & scale age for lake
whitefish [MILLS 1980] 511 (614)

Aging, water masses

maintenance of Fe meromixis by Fe redeposition
[CAMPBELL 1980] 630

Agricultural runoff

L. Winnipeg watershed data [BRUNSKILL 1980]
MR1556

Air/water interface

gas exchange rate measurements in natural sys-
tems [BROECKER 1980] 648k

Air pollution

sulfur dioxide emissions [SCHINDLER 1981]
675c

See also: Acid precipitation

Alberta

25 year scenario of resource developments
[WRIGHT 1980] MR1546

Alberta Oil Sands Environmental Research Program

ecological studies of aquatic invertebrates
[BARTON 1980] 624a
fisheries investigations in MacKay R. watershed
[MACHNIAK 1980] 629a

Algae

ecological studies of in AOSERP study area
[BARTON 1980] 624a
effects of artificial acidification on growth
of periphyton [MULLER 1980] 599 (614)
growth
experimental studies on effect of As on
microbial degradation [BRUNSKILL 1980] 603
(614)
L.Tanganyika [HECKY 1981] 660
seasonal successions of phytoplankton 1977-79
[FINDLAY 1981] MR 1627

Algal bloom composition

experimental manipulation of [BARICA 1980]
623

Altosid SR-10

studies on dissipation from ponds [MADDER
1980] 593

Amelioration of uptake of Hg by aquatic biota
[RUDD 1980] 625c

Amino acids

from olfactory rosettes of rainbow trout
[BROWN 1981] 663
properties of olfactory receptors [HARA 1980]
648e

Amituryouak Lake (MNT)

distribution of Ephemeroptera in N.Canada
[COBB 1980] 582

Ammonia-nitrogen

whole-lake model for distribution of sediment-
derived chemical species [HESSLEIN 1980] 613
(614)

Amphipoda

Gammarus lacustris lacustris culture [DE MARCH
1981] 652f
growth, survival & distribution of Gammarus
stocked into ponds [MATHIAS 1981] TR989
Hyalella azteca culture [DE MARCH 1981] 652e

Anabaena flos-aquae

some biological characteristics of plains
aquatic ecosystems [BARICA 1980] 620

Anaerobic lakes

methanogenesis: measure of heterotrophic acti-
vity in [KELLY 1979] 581

Analysis, chemical

contaminants in trace metal analysis [LUTZ
1980] TR975 646h
errors in molybdenum blue methods for ortho-
phosphate [STANTON 1980] 606 (614)
extraction & cleanup of fish for triaryl phos-
phates [MUIR 1981] 651
headspace gases for volatile organic contami-
nants [MURRAY 1980] 577
microextraction & cleanup techniques for
chlorinated hydrocarbons in fish [SOLOMON
1981] 637b
microextraction & gas chromatographic analysis
of hydrocarbons [MURRAY 1981] 668; [MURRAY
1981] 673c
Myriophyllum as indicator of metal contamina-
tion [FRANZIN 1980] 617
orthophosphate concentrations in 2 Shield
lakes [LEVINE 1980] 607 (614)

- niclosamide in water & sediment [MUIR 1980] 629
 terbutryn & degradation products [MUIR 1980] 625
 16th annual workshop on pesticide residue analysis [MUIR 1981] 673a
 water in Heming L. area [BABALUK 1980] MR1575
- Analysis of response of hypolimnetic phytoplankton to light & P [KNOECHEL 1980] 614
- Angikuni Lake (NWT)
 data on fish [MOSHENKO 1980] DR175
- Angling
 Arctic charr Robertson R. 1979 [MOSHENKO 1981] DR306
 Arctic grayling Kakisa R. 1979 [FALK 1980] DR199
 Brabant I.-Beaver L. area of Mackenzie R. [FALK 1980] MR1553
 questionnaire survey, Yellowknife area 1979 [FALK 1981] MR1584
 valuation of recreational fisheries [CAUVIN 1980] 631
 walleye, Hay R. 1978 [MOSHENKO 1980] DR188
 walleye, Mosquito Creek 1973-78 [FALK 1980] MR1559; [FALK 1980] DR186
- Ankistrodesmus falcatus
 analysis of response of hypolimnetic phytoplankton to light & P [KNOECHEL 1980] 614
- Annual aquatic toxicity workshop
 proceedings 6th, 1979 [KLAVERKAMP 1980] TR975
- Annual survival
 lake whitefish [MILLS 1980] 611 (614)
- Annual watershed efficiency in ELA [NEWBURY 1980] 597 (614)
- Anostraca
See: Artemia
- Anoxia
 crustacean zooplankton in 3 prairie lakes [SALKI 1981] 674a
 relationship between thermal stability & summer oxygen depletion in pothole lake [PAPST 1980] 635
- Anoxic hypolimnion
 hypolimnion injection of nutrient effluents to reduce eutrophication [SCHINDLER 1980] 595 (614)
- Aphanizomenon flos-aquae
 relationship between thermal stability & summer oxygen depletion in pothole lake [PAPST 1980] 635
 experimental manipulation of bloom composition [BARICA 1980] 623
 some biological characteristics of plains aquatic ecosystems [BARICA 1980] 620
- Aplodinotus grunniens
See: Drum, freshwater
- Aquaculture
 combination solar collector with recirculation units [AYLES 1980] 648h
- current bibliography on waste heat utilization [PAPST 1981] MR1598
 recommendations for pond culture in El Salvador [DAVIES 1980] 648s
- Aquaculture potential in northern Canada [AYLES 1980] 648i
- Aquaculture Study Area
 crustacean zooplankton communities [SALKI 1981] 674a
 experimental manipulation of algal bloom composition [BARICA 1980] 623
 factors controlling oxygen depletion in ice-covered lakes [MATHIAS 1979] 591
 preliminary experiments on growth of walleye fingerlings [LI 1981] TR1041
- Aquaculture Study Area lakes:
 014
 experimental manipulation of algal bloom composition [BARICA 1980] 623
 019
 crustacean zooplankton [SALKI 1981] 674a
 oxygen depletion [MATHIAS 1979] 591
 100
 oxygen depletion [MATHIAS 1979] 591
 200
 oxygen depletion [MATHIAS 1979] 591
 255
 crustacean zooplankton [SALKI 1981] 674a
 oxygen depletion [MATHIAS 1979] 591
 255
 nutrient deficiency in phytoplankton [HEALEY 1980] 604 (614)
 302
 nutrient deficiency in phytoplankton [HEALEY 1980] 604 (614)
 303
 nutrient deficiency in phytoplankton [HEALEY 1980] 604 (614)
 318
 oxygen depletion [MATHIAS 1979] 591
 nutrient deficiency in phytoplankton [HEALEY 1980] 604 (614)
 587
 oxygen depletion [MATHIAS 1979] 591
 675
 oxygen depletion [MATHIAS 1979] 591
 721
 oxygen depletion [MATHIAS 1979] 591
 882
 nutrient deficiency in phytoplankton [HEALEY 1980] 604 (614)
 oxygen depletion [MATHIAS 1979] 591
 885
 crustacean zooplankton [SALKI 1981] 674a
 experimental manipulation of algal bloom composition [BARICA 1980] 623
 nutrient deficiency in phytoplankton [HEALEY 1980] 604 (614)
 oxygen depletion [MATHIAS 1979] 591
 thermal stability & summer oxygen depletion [PAPST 1980] 635
- Aquatic biota
 mechanisms of movement of Hg [RUDD 1980] 625c
- Aquatic ecosystems
 fallout, distribution & some effects of Zn etc. near base metal smelter [FRANZIN 1980] 644a

- some biological characteristics of plains aquatic ecosystems [BARICA 1980] 620
- Aquatic entomology
enseignement novateur de l'entomologie aquatique [RESH 1981] 675a
- Aquatic environment
bibliography of toxicity test methods for [McLEAN 1980] 642
methane cycling in [RUDD 1980] 639a
- Aquatic herbicides
comparison of the environment dynamics of 2 [MUIR 1981] 673e
- Aquatic macrophytes
Myriophyllum as indicator of metal contamination [FRANZIN 1980] 617
See also: Duckweed
- Aquatic resources
survey of central Keewatin region [MacDONALD 1980] 648c
- Aquatic toxicity workshop
proceedings 6th annual 1979 [KLAVERKAMP 1980] TR975
- Arctic charr, *Salvelinus alpinus* [JOHNSON 1980] 626
See also: Charr, Arctic
- Arctic charr sport fishery on Robertson R. 1979 [MOSHENKO 1981] DR306
- Arctic lake
methane addition in winter [WELCH 1980] 576
- Arctic Lands Use Research Program
survey of aquatic resources of central Keewatin region [MacDONALD 1980] 648c
- Arctic marine mammals
report of workshop [DAVIS 1981] TR1005
- Arsenic
chemical analysis of water in Heming L. area [BABALUK 1980] MR1575
effects of acidification on mobilization from sediments [SCHINDLER 1980] 601 (614)
experimental study of chemistry in soft-water lakes [JACKSON 1980] 602a (614)
experimental studies on effect on microbial degradation [BRUNSKILL 1980] 603 (614)
fallout, distribution & some effects near base metal smelter [FRANZIN 1980] 644a; [FRANZIN 1981] 656a
- Artemia
culture methods laboratory bioassay organism [LEONHARD 1980] 648d; [LEONHARD 1981] 652d
- Artificial ponds
persistence of 3 organophosphorus insecticides [HUGHES 1980] 622a
- Artificial substrates
acute & long term effects of methoxychlor larviciding on aquatic invertebrates [FLANNAGAN 1980] 614b
- effects of crude oil on Ephemeroptera in Trail R. [ROSENBERG 1981] 585
- Athabasca River (Alta)
ecological studies of aquatic invertebrates [BARTON 1980] 624a
effects of methoxychlor on aquatic invertebrates [FLANNAGAN 1980] 614a; [FLANNAGAN 1980] 614b
fishery resources downstream of Fort McMurray [BOND 1980] 621a
methoxychlor studies with fish [LOCKHART 1980] 614c
- Atmosphere-biosphere interactions [SCHINDLER 1981] 675i
- Autoradiography, track
analysis of response of hypolimnetic phytoplankton to light & P [KNOECHEL 1980] 614
- Availability of methoxychlor
influence of formulation on [SEBASTIEN 1980] 614d; [SEBASTIEN 1981] 657
- Avoidance-preference responses
behavioral reactions of whitefish to food extract [KAMCHEM 1980] 646g
maximizing information return from data [DE MARCH 1980] TR975 646f
- Avoidance testing for fish & invertebrates [SCHERER 1979] 590q
- Back River system (NWT)
aquatic resources [MacDONALD 1980] 648c
- Bacteria
experimental studies on effect of As on microbial degradation [BRUNSKILL 1980] 603 (614)
methanogenesis: measure of heterotrophic activity in anaerobic lake [KELLY 1979] 581
- Bacterial production
relationships between primary & fish production in L. Tanganyika [HECKY 1980] 662
- Baffin Island (NWT)
Arctic charr sport fishery on Robertson R. 1979 [MOSHENKO 1981] DR306
- Baffin region
Arctic charr [KRISTOFFERSON 1981] DR255
- Baker Lake (NWT)
data on fish [MOSHENKO 1980] DR175
- Baril Lake (Alta)
goldeye [KRISTENSEN 1981] MR1560
- Barium
effects of acidification on mobilization from sediments [SCHINDLER 1980] 601 (614)
experimental study of chemistry in soft-water lakes [JACKSON 1980] 602a (614)
- Barrington Lake (Man.)
Hg levels [McGREGOR 1980] DR195
- Base metal smelter
elevated Zn, Cd & Pb in ice-covered lakes

- [FRANZIN 1981] 649
fallout, distribution & some effects of Zn
etc. near [FRANZIN 1980] 644a
- Bathymetry
ELA 382 [MELLINGER 1980] 622b
lakes in Heming L. area [BABALUK 1980] MR1575
- Bayer 2353
detn in water & sediment [MUIR 1980] 629
- Beaufort Sea
review of fisheries of Mackenzie Delta [CORKUM
1981] MR1613
- Beaver Lake (NWT)
sport fisheries [FALK 1980] MR1553
- Beaverlodge Lake (NWT)
data on fish [MOSHENKO 1980] DR175
- Beech Lake (Ont.)
oxygen depletion [MATHIAS 1979] 591
- Beechey Lake (NWT)
data on fish [MOSHENKO 1980] DR175
- Behavioral & electrophysiological studies in
fish [HARA 1981] 668a
- Behavioral reaction
maximizing information return from preference
& avoidance response data [DE MARCH 1980]
TR975 646f
- Behavioral reactions of whitefish to food
extract [KAMCHEN 1980] TR975 646g
- Bell Lake (Ont.)
comparison of fin-ray & scale age for lake
whitefish [MILLS 1980] 611 (614)
- Beniah Lake (NWT)
data on fish [MOSHENKO 1980] DR175
- Benthic algae
haptobenthic photosynthesis [TURNER 1981]
675m
- Benthos
ecological studies in AOSERP study area
[BARTON 1980] 624a
effects of synthetic crude oil on river com-
munities [LOCK 1981] 654; [LOCK 1981] 655
influence of eutrophication on deep lake com-
munities [SAETHER 1980] 632
- Beverly Lake (NWT)
data on fish [MOSHENKO 1980] DR175
- Bias & loss of precision due to tag loss in
mark-recapture experiments [ARNASON 1981] 669
- Bibliographic databases
on-line directory 1980 [MARSHALL 1980] 616;
1981 [MARSHALL 1981] 655a
some errors noted [MARSHALL 1980] 618
- Bibliographies
Arctic charr complex to 1980 [MARSHALL 1981]
TR1004
Ephemeroptera and pollution [MARSHALL 1980]
587
- regional staff publications 1978-79 [MARSHALL
1981] TR992
fisheries of Mackenzie Delta [CORKUM 1981]
MR1613
toxicity test methods for aquatic environment
[McLEAN 1980] 642
waste heat utilization in aquaculture [PAPST
1981] MR1598
- Biennial report 1976-78 [SCOTT 1981] TR1019
- Bioaccumulation
effect of water chemistry on uptake of organic
pollutants by fish [MUIR 1980] TR975 646a
environmental dynamics of phosphate esters
[MUIR 1981] 673
ethalfuralin by fish [LOCKHART 1980] 646j
evaluation of Cd toxicity to osmoregulatory
function in rainbow trout [GILES 1980] TR975
646c
triphenyl phosphate in rainbow trout [MUIR
1980] 639
- Bioassay
advantages & disadvantages of using inverte-
brates [MACIOROWSKI 1980] 643
avoidance testing for fish & invertebrates
[SCHINDLER 1979] 590q
bibliography of methods for aquatic environ-
ment [McLEAN 1980] 642
biochemical tests for fish [LOCKHART 1979]
590m
brine shrimp as laboratory bioassay organism
[LEONHARD 1980] 648d
calcium uptake: sublethal test for crayfish
[MALLEY 1979] 590p
cardiovascular-respiratory responses of rain-
bow trout to cadmium [MAJEWSKI 1981] 667
continuous culturing of phytoplankton in ELA
[DeNOYELLES 1980] 614
effects of survival, growth & reproduction of
Daphnia magna [LEONHARD 1979] 590j
electrophysiological test for neurotoxicity in
fish [HARA 1979] 590f
essais de toxicité pour organismes d'eau douce
[SCHERER 1981] 653
evaluation of acute toxicity of Cd to nymphs
of *Hexagenia* [LEONHARD 1980] 586
evaluation of Cd toxicity to osmoregulatory
function in rainbow trout [GILES 1980] TR975
646c
histochemical test for olfactory function in
fish [EVANS 1979] 590b
lake whitefish [SCHERER 1980] 648u
manual for culture of selected freshwater
invertebrates [LAWRENCE 1981] 652
methoxychlor studies with fish: Athabasca R.
[LOCKHART 1980] 614c
microbial predator-prey test system [LAWRENCE
1979] 590h
optomotor response test [SCHERER 1979] 590s
phytotoxicity tests using duckweed [LOCKHART
1979] 590l
residual oxygen test [GILES 1979] 590e
selection of biochemical techniques for detec-
tion of sublethal effects [UTHE 1980] 633a
testing effects on cardiovascular & respira-
tory functions in fish [MAJEWSKI 1979] 590o
testing embryonic & larval life stages in fish
[MacDONALD 1979] 590n
testing locomotor activity responses with
ultrasonic beams [SCHERER 1979] 590t

- testing responsiveness to overhead-light stimulation [SCHERER 1979] 590r
- tests for *Orconectes* [LEONHARD 1979] 590l
- toxicity tests for freshwater organisms [SCHERER 1979] 590
- use of eggs of *Hexagenia* [FRIESEN 1979] 590d
- use of growth rate for testing effects on algae [HEALEY 1979] 590g
- use of *Helisoma* in multigeneration mortality, growth & fecundity test [FLANNAGAN 1979] 590c
- use of zebrafish in whole-life-cycle tests [LILLIE 1979] 590k
- Biochemical genetic evidence for isolation of lake whitefish [FOOTE 1980] 620b
- Biochemical properties of olfactory receptors [HARA 1980] 648e
- Biochemical techniques
selection of, for detection of sublethal effects [UTHE 1980] 633a
- Biochemical bioassay tests for fish [LOCKHART 1979] 590m
- Biochemistry of herbicides
16th annual workshop on pesticide residue analysis [MUIR 1981] 673a
- Biogeography
glaciation & physical, chemical and biological limnology of Yukon lakes [LINDSEY 1981] TR966
- Biological assessment of Arctic char in Gjoa Haven-Pelly Bay area [KRISTOFFERSON 1982] MR1591
- Biological characteristics of plains aquatic ecosystems [BARICA 1980] 620
- Biological data on fish from 59 lakes in NWT 1959-68 [MOSHENKO 1980] DR175
- Biological implications
persistence of 3 organophosphorus insecticides [HUGHES 1980] 622a
- Biological samples
pitfalls in using fish tissues as indicators of metal concentrations [FRANZIN 1980] TR975 646i
- Bio-manipulation
experimental manipulation of algal bloom composition [BARICA 1980] 623
- Biomass
effects of acid & Cd on zooplankton in Shield lake [LAWRENCE 1980] TR975 646d
effects on phytoplankton in L.223 as result of lowering pH [FINDLAY 1980] MR1585
phytoplankton of euphotic zone of L.Tanganyika [HECKY 1981] 661
- Biosphere
atmosphere-biosphere interactions [SCHINDLER 1981] 675i
- Biotransformation
brain acetylcholinesterase inhibition in rainbow trout [KLAVERKAMP 1980] 637
- Black fly control
effects of experimental injection of methoxy-chlor on aquatic invertebrates [FLANNAGAN 1980] 614a
- Blatchford Lake (NWT)
data on fish [MOSHENKO 1980] DR175
- Bloater
distribution map [CLARKE 1980] 648r
- Blood
cardiovascular-respiratory responses of rainbow trout to Cd [MAJEWSKI 1981] 667
oxygenation characteristics of polymorphic hemoglobins of coho salmon [GILES 1980] 592
- Bob Lake (Ont.)
oxygen depletion [MATHIAS 1979] 591
- Boreal forest zone
depression of primary productivity by humic matter [JACKSON 1980] 648g
- Boshkung Lake (Ont.)
oxygen depletion [MATHIAS 1979] 591
- Bosmina
effects of acid & Cd on, in Shield lake [LAWRENCE 1980] TR975 646d
- Brabant Island (NWT)
sport fisheries [FALK 1980] MR1553
- Brachydanio
See: Zebrafish
- Brain acetylcholinesterase inhibition in rainbow trout [KLAVERKAMP 1980] 637
- Brine shrimp
culture [LEONHARD 1981] 652d
- Brine shrimp as laboratory bioassay organism [LEONHARD 1980] 648d
- Buckham Lake (NWT)
data on fish [MOSHENKO 1980] DR175
- Budget, water
S.Indian L. [McCULLOUGH 1981] MR1620
- Burbot
Cs-137 etc. in, from lakes [ELLIOTT 1981] DR293
pre- & post-impoundment fish catches, S. Indian L. 1972-79 [BODALY 1980] DR201
survey of central Keewatin region [MacDONALD 1980] 648c
survey of Gt Bear R. [CHANG-KUE 1980] MR1510
- Burntwood Lake (Man.)
mercury levels [McGREGOR 1980] DR195
- Burntwood River system (Man.)
Hg levels [McGREGOR 1980] DR195
- Cadmium
analysis of *Myriophyllum* as indicator of contamination [FRANZIN 1980] 617
analysis of water in Hemling L. area [BABALUK 1980] MR1575
brine shrimp as laboratory bioassay organism [LEONHARD 1980] 648d

- Cd & Hg stress in plankton of L.382 [MARSHALL 1981] 672a
cardiovascular-respiratory responses of rainbow trout [MAJEWSKI 1981] 667
concentrations in N.pike & sucker near Flin Flon [McFARLANE 1980] 641
contaminants in analysis [LUTZ 1980] TR975 646h
continuous culturing of phytoplankton in ELA [DeNOVELLES 1980] 614
dynamics of Cd-stressed plankton communities [MARSHALL 1980] 614
effects of acid & Cd on zooplankton in Shield lake [LAWRENCE 1980] TR975 646d
elevated levels in ice-covered lakes [FRANZIN 1981] 649
evaluation of acute toxicity to nymphs of *Hexagenia* [LEONHARD 1980] 586
evaluation of toxicity to osmoregulatory function in rainbow trout [GILES 1980] TR975 646c
fallout, distribution & some effects near base metal smelter [FRANZIN 1980] 644a; [FRANZIN 1981] 656a
induced tolerance in white suckers [DUNCAN 1980] TR975 646e
- Cadmium & mercury stress in plankton of L.382 [MARSHALL 1981] 672a
- Calcification
decreased survival & Ca uptake by *Orconectes* in low pH [MALLEY 1980] 600 (614)
- Calcium
in fish populations from lakes [ELLIOTT 1981] DR293
- Calcium uptake
decreased survival & uptake by *Orconectes* in low pH [MALLEY 1980] 600 (614)
sublethal test for crayfish [MALLEY 1979] 590p
- Calla palustris*
analysis of *Myriophyllum* as indicator of metal contamination [FRANZIN 1980] 617
- Cambridge Bay area (NWT)
commercial fishery for Arctic char 1971-78 [KRISTOFFERSON 1980] DR184; 1979-80 [CARDER 1981] DR284
- Cameron Lake (Ont.)
oxygen depletion [MATHIAS 1979] 591
- Canada, northern
aquaculture potential [AYLES 1980] 648f
- Canada, western
current status of lymphocystis & related diseases in walleye [KELLY 1980] 637a
- Canoe routes
paddling Hayes R. [NEUBURY 1981] 657b
- Carbon
interrelationships between cycles of elements in freshwater ecosystems [SCHINDLER 1981] 675b
- Carbon budget
enclosure in stratified lake [BOWER 1980] 614
whole-lake model for distribution of sediment-derived chemical species [HESSLEIN 1980] 613 (614)
- Carbon dioxide
gas exchange rate measurements in natural systems [BROECKER 1980] 648k
whole-lake model for distribution of sediment-derived chemical species [HESSLEIN 1980] 613 (614)
- Carbon, suspended
ELA 1979 [DeCLERCQ 1980] DR200; 1980 [DeBRUYN 1981] DR260
- Carbon-14
gas exchange, photosynthetic uptake & C budget for enclosure in stratified lake [BOWER 1980] 614
whole-lake radiocarbon experiment at ELA [HESSLEIN 1980] 606 (614)
- Carbon-14 labelled EHDP
environmental dynamics of phosphate esters [MUIR 1981] 673
- Cardiocladius* group
diagnoses of *Tvetenia*, *Dratnalia* & *Eukiefferiella* [SAETHER 1981] 665
- Cardiovascular functions in fish
testing effects on [MAJEWSKI 1979] 590o
- Cardiovascular-respiratory responses of rainbow trout to Cd [MAJEWSKI 1981] 667
- Carp
experiments on growth of walleye fingerlings [LI 1981] TR1041
- Casimir Lake (NWT)
data on fish [MOSHENKO 1980] DR175
- Catch/effort
Arctic grayling sport fishery on Kakisa R. 1979 [FALK 1980] DR199
commercial fishery for lake whitefish on Gt Slave L. 1979 [MOSHENKO 1980] DR194; 1980 [MOSHENKO 1981] DR305
pre- & post-impoundment fish catches, S. Indian L. 1972-79 [BODALY 1980] DR201
sport fisheries in Brabant I.-Beaver L. area of Mackenzie R. [FALK 1980] MR1553
walleye & other fish spp. from Mosquito Creek 1973-78 [FALK 1980] DR186
walleye sport fishery on Hay R. 1978 [MOSHENKO 1980] DR188
walleye sport fishery on Mosquito Creek 1973-78 [FALK 1980] MR1559
- Catfish, channel
methoxychlor studies Athabasca R. [LOCKHART 1980] 614c
- Catostomus*
catostomus See: Sucker, longnose
commersoni See: Sucker, white
- Cattail
fate of fenitrothion in small ponds [MALIS 1980] 641b
- Caviar, golden
federal fisheries development [WARD 1980] 638a

CEDAR LAKE

- Cedar Lake (Man.)
muddy odor [YURKOWSKI 1980] 636
- Cell culture
continuous fibroblastic cell line from walleye [KELLY 1980] 624
- Central Keewatin
aquatic resources [MacDONALD 1980] 648c
- Cesium
effects of acidification on mobilization from sediments [SCHINDLER 1980] 601 (614)
experimental study of chemistry in soft-water lakes [JACKSON 1980] 602a (614)
fates of radiotracers added to whole lake: sediment-water interactions [HESSLEIN 1980] 602 (614)
- Cesium-137 etc. in fish populations from ...lakes [ELLIOTT 1981] DR293
- Changes in profundal Trichoptera of L. Winnipeg [FLANNAGAN 1981] 675
- Chaoboridae
underlying synapomorphies & anagenetic analysis [SAETHER 1979] 589
underlying synapomorphy & inside-parallelism [SAETHER 1979] 588
- Chaoborus
feeding habits of walleye fingerlings [LI 1981] TR1040
- Charr, Arctic
Arctic charr, *Salvelinus alpinus* [JOHNSON 1980] 626
Baffin region [KRISTOFFERSON 1981] DR255
bibliography to 1980 [MARSHALL 1981] TR1004
biological assessment in Gjoa Haven-Pelly Bay area [KRISTOFFERSON 1982] MR1591
central Keewatin region [MacDONALD 1980] 648c
commercial fishery in Cambridge Bay area 1971-78 [KRISTOFFERSON 1982] DR184; 1979-80 [CARDER 1981] DR284
dehydrogenase isozymes in [CLAYTON 1980] 627
Gt Bear R. [CHANG-KUE 1980] MR1510
sport fishery on Robertson R. 1979 [MOSHENKO 1981] DR306
- Charr, brook
See: trout, brook
- Charr, hybrid
splake, a hybrid charr [BERST 1980] 627a
- Charr, white-spotted
bibliography to 1980 [MARSHALL 1981] TR1004
- Char Lake (NMT)
oxygen depletion [MATHIAS 1979] 591
- Chemical analysis
See: Analysis, chemical
- Chemical budgets
maintenance of Fe meromixis by Fe redeposition [CAMPBELL 1980] 630
- Chemical loss
effects of windstorm & forest fire on chemical losses from watershed [SCHINDLER 1980] 596 (614)

45

- Chemical modifications
response of zooplankton to whole lake chemical modifications [MALLEY 1980] 648j
- Chemistry of herbicides
16th annual workshop on pesticide residue analysis [MUIR 1981] 673a
- Chemo-organotrophy
methanogenesis: measure of heterotrophic activity in anaerobic lake [KELLY 1979] 581
- Chemosensory reactions
behavioral & electrophysiological studies in fish [HARA 1981] 668a
- Chemostat
microbial predator-prey test system [LAWRENCE 1979] 590h
- Chemostimulatory amino acids
accumulation of, by fraction from olfactory rosettes of rainbow trout [BROWN 1981] 663
- Chironomid communities in Norwegian lakes [RADDUM 1981] 672
- Chironomidae
Chironomus tentans culture [TOWNSEND 1981] 652h
diagnoses of *Ivetenia*, *Dratnalia* & *Eukief-feriella* [SAETHER 1981] 665
Doncricotopus bicaudatus [SAETHER 1981] 666
effects of methoxychlor [FLANNAGAN 1980] 614a; [FLANNAGAN 1980] 614b
female & immatures of *Trissocladus brevipalis* [SAETHER 1980] 644
females & immatures of *Paracricotopus* [SAETHER 1980] 640
influence of eutrophication on deep lake benthic communities [SAETHER 1980] 632
influence of formulation on toxicity of methoxychlor [SEGASTIEN 1981] 657
investigation of feeding habits of walleye fingerlings [LI 1981] TR1040
new name for *Oliveria* [SAETHER 1980] 645
relationships between dipteran emergence & phytoplankton production in ELA [DAVIES 1980] 610 (614)
responses to sediment additions in Harris R. [ROSENBERG 1980] 656
sampling emergence S. Indian L. [ROSENBERG 1980] 622; [ROSENBERG 1980] 648p
three female genitalia [SAETHER 1980] 615
underlying synapomorphies & anagenetic analysis [SAETHER 1979] 589
underlying synapomorphy & inside-parallelism [SAETHER 1979] 588
- Chironomus tentans* culture [TOWNSEND 1981] 652h
- Chlamydomonas reinhardtii*
microbial predator-prey test system [LAWRENCE 1979] 590h
- Chlorinated hydrocarbons
micro-extraction & cleanup techniques for detn in fish [SOLOMON 1981] 673b
- Chlorococcales
Lobocystis dichotoma var. *mucosa*...new record for L. Tanganyika [KLING 1981] 674
- Chlorophyceae
Lobocystis dichotoma var. *mucosa*...new record for L. Tanganyika [KLING 1981] 674

Chlorophyll

- euphotic zone of L. Tanganyika [HECKY 1981] 661
 ELA 1979 [DeCLERCQ 1980] DR200; 1980 [DeBRUYN 1981] DR260
 effects of 2 organophosphorus insecticides on chlorophyll a of standing ponds [PAPST 1980] 620a

Cholinesterase

- stonefly head cholinesterase as indicator of exposure to fenitrothion [FLANNAGAN 1981] 659

Chromatography, gas

- microextraction & analysis of hydrocarbons [MURRAY 1981] 668; [MURRAY 1981] 673c

Chromatography, gas-liquid

- extraction & cleanup of fish for detn of triaryl phosphates [MUIR 1981] 651

Chromium

- effects of acidification on mobilization from sediments [SCHINDLER 1980] 601 (614)
 experimental study of chemistry in soft-water lakes [JACKSON 1980] 602a (614)

Chrosomus neogaeus

- See: Dace, Finescale

Chub, flathead

- Athabasca R. [BOND 1980] 621a
 Gt Bear R. [CHANG-KUE 1980] MR1510
 MacKay R. watershed [MACHNIAK 1980] 629a

Chub, lake

- Athabasca R. [BOND 1980] 621a
 Gt Bear R. [CHANG-KUE 1980] MR1510

Churchill River Diversion

- water budgets [McCULLOUGH 1981] MR1620

Churchill River system (Man.)

- mercury levels [McGREGOR 1980] DR195

Ciliata

- Tetrahymena vorax culture [LAWRENCE 1981] 652a

Cisco

- Cs-137 etc. in from ...lakes [ELLIOTT 1981] DR293
 distribution map [CLARKE 1980] 648q
 Gt Bear R. [CHANG-KUE 1980] MR1510
 mercury methylation by intestinal contents [RUDD 1980] 634
 pre- & post-impoundment catches, S. Indian L. 1972-79 [BODALY 1980] DR201

Cisco, Arctic

- central Keewatin region [MacDONALD 1980] 648c
 distribution map [CLARKE 1980] 648q
 Gt Bear R. [CHANG-KUE 1980] MR1510

Cisco, Bering

- distribution map [CLARKE 1980] 648q

Cisco, blackfin distribution map [CLARKE 1980]

- 648r
 distribution map [CLARKE 1980] 648q

Cisco, lake

- central Keewatin region [MacDONALD 1980] 648c

Cisco, least

- central Keewatin region [MacDONALD 1980] 648c
 distribution map [CLARKE 1980] 648q
 Gt Bear R. [CHANG-KUE 1980] MR1510

Cisco, Nipigon

- distribution map [CLARKE 1980] 648q

Cisco, shortjaw

- distribution map [CLARKE 1980] 648r

Cladocera

- Daphnia magna, D. pulex culture [LEONHARD 1981] 652c
 persistence of 3 organophosphorus insecticides [HUGHES 1980] 622a
 survival, growth & reproduction of Daphnia magna [LEONHARD 1979] 590j
 3-year study of effects of enclosure on zooplankton [MELLINGER 1981] 669b

Cladotanytarsus

- influence of eutrophication on deep lake benthic communities [SAETHER 1980] 632

Claire Lake (Alta)

- goldeye [KRISTENSEN 1981] MR1560

Clay Lake (Ont.)

- comparison of fin-ray & scale age for lake whitefish [MILLS 1980] 611 (614)
 mechanisms of movement of Hg [RUDD 1980] 625c

Cleanup techniques

- micro-extraction & cleanup techniques for detn chlorinated hydrocarbons in fish [SOLOMON 1981] 673b

Cliff Lake (Man.)

- analysis of Myriophyllum as indicator of metal contamination [FRANZIN 1980] 617
 Cd, Cu, & Hg concentrations in N. pike & sucker [McFARLANE 1980] 641

Climatological data

- hydrometeorological data for ELA 1969-78 [BEATY 1981] DR285
 hydrometeorological data from Saqvaqujuac 1977-80 [DALTON 1981] DR273

Clinton-Colden Lake (MWT)

- data on fish [MOSHENKO 1980] DR175

Cobalt

- effects of acidification on mobilization from sediments [SCHINDLER 1980] 601 (614)
 experimental study of chemistry in soft-water lakes [JACKSON 1980] 602a (614)
 fates of radiotracers added to whole lake: sediment-water interactions [HESSLEIN 1980] 602 (614)

Cod

- further considerations of time trend detns [SCOTT 1981] 675j

Coesius plumbeus

- See: Chub, Lake

Coleoptera

- ecological studies of AOSERP study area [BARTON 1980] 624a

- Colonisation of oil contaminated substrata
 effects of synthetic crude oil on benthic

- river communities [LOCK 1981] 654
- Combination solar collector with recirculation units in fish culture [AYLES 1980] 648h
- Comment on FEE 1979 (553) [PATALAS 1980] 643a; [SCHINDLER 1980] 643b
reply [FEE 1980] 643c
- Commercial fishery
Arctic charr, Cambridge Bay 1979-80 [CARDER 1981] DR284
Arctic charr in Gjoa Haven-Pelly Bay area [KRISTOFFERSON 1982] MR1591
lake whitefish on Gt Slave L. 1979 [MOSHENKO 1980] DR194; 1980 [MOSHENKO 1981] DR305
skiff fishery in W.Canada [THOMPSON 1981] TR1037
- Comparison of fin-ray & scale age detn for lake whitefish [MILLS 1980] 611 (614)
- Comparison of in situ & in vitro rates of methane release [KELLY 1980] 628
- Comparison of N-15 uptake & acetylene reduction methods for estimating N fixation [GRAHAM 1980] 607a (614)
- Comparison of the environmental dynamics of 2 aquatic herbicides [MUIR 1981] 673e
- Compatible hydroelectric design [NEWBURY 1981] 675f
- Complexes of copper
cupric ion-selective electrode & inorganic cationic complexes [WAGEMANN 1980] 646
- Composition, phytoplankton
effects in L.223 of lowering pH [FINDLAY 1980] MR1585
- Composition, seasonal
zooplankton in L.223, 1974-79 [CHANG 1981] DR290
- Computer retrieval
online retrieval of information on Ephemeroptera [MARSHALL 1980] 587
- Conference proceedings
advances in Ephemeroptera biology [FLANNAGAN 1980] 581a
See also: Workshop
- Considerations in design of fishways for freshwater species [KATOPODIS 1981] 649a
- Constance, Lake (Switzerland)
influence of eutrophication on benthic communities [SAETHER 1980] 632
- Contaminant level monitoring
further considerations of time trend detns [SCOTT 1981] 675j
state of the art of environmental contaminant level monitoring [UTHE 1981] 675k
- Contaminants in trace metal analysis [LUTZ 1980] TR975 646h
- Contamination
effects of synthetic crude oil on benthic river communities [LOCK 1981] 654; [LOCK 1981] 655
some pitfalls in using fish tissues as indicators of metal concentrations [FRANZIN 1980] TR975 646i
- Continuous culturing of phytoplankton in ELA [DeNOVELLES 1980] 614
- Continuous fibroblastic cell line
fish cell culture: cell line from walleye [KELLY 1980] 624
- Copepoda
persistence of 3 organophosphorus insecticides [HUGHES 1980] 622a
3-year study of effects of enclosure on zooplankton [MELLINGER 1981] 669b
- Copper
analysis of Myriophyllum as indicator of contamination [FRANZIN 1980] 617
cupric ion-selective electrode & inorganic cationic complexes of Cu [WAGEMANN 1980] 646
examination of concentrations in N.pike & sucker near Flin Flon [McFARLANE 1980] 641
fallout, distribution & some effects near base metal smelter [FRANZIN 1980] 644a; [FRANZIN 1981] 656a
in fish populations from lakes [ELLIOTT 1981] DR293
in Heming L. area [BABALUK 1980] MR1575
- Coregonus
artedii See: Cisco
autumnalis See: Cisco, Arctic
clupeaformis See: Whitefish, lake
hoyi See: Bloater
taurettae See: Cisco, Bering
nasus See: Whitefish, broad
nigripinnis See: Cisco, blackfin
nipigon See: Cisco, Nipigon
sardinella See: Cisco, least
zenithicus See: Cisco, short jaw
- Crab
See: Hemigrapsus
- Cranberry Lake (Ont.)
oxygen depletion [MATHIAS 1979] 591
- Crayfish
See: Orconectes
- Creel census
Arctic charr on Robertson R. 1979 [MOSHENKO 1981] DR306
- Crude oil, synthetic
effects on benthic river communities [LOCK 1981] 654; [LOCK 1981] 655
- Crustacea
investigation of feeding habits of walleye fingerlings [LI 1981] TR1040
lake water chemistry & Zn toxicity to plankton communities [MARSHALL 1981] 669a
seasonal variations of zooplankton in ELA 382 [MELLINGER 1980] 622b
spatial structure of planktonic community in L.Winnipeg [PATALAS 1981] 671
See also: Copepoda, Cladocera, Orconectes, etc.

Crustacean zooplankton communities of 3 prairie lakes [SALKI 1981] 674a

Culture

- analysis of response of hypolimnetic phytoplankton to light & P [KNOECHEL 1980] 614
- Artemia* sp. [LEONHARD 1981] 652d
- Chironomus tentans* [TOWNSEND 1981] 652h
- continuous culturing of phytoplankton in ELA [DeNOYELLES 1980] 614
- Daphnia magna*, *D. pulex* [LEONHARD 1981] 652c
- Gammarus lacustris lacustris* [DE MARCH 1981] 652f
- Helisoma trivolvis* [FRIESEN 1981] 652b
- Hexagenia rigida* [FRIESEN 1981] 652i
- Hyalella azteca* [DE MARCH 1981] 652e
- manual for culture of selected freshwater invertebrates [LAWRENCE 1981] 652
- Orconectes virilis* [LEONHARD 1981] 652g
- Tetrahymena vorax* [LAWRENCE 1981] 652a

Culvert fish passage methods
review of [KATOPODIS 1981] 675d

Cupric ion-selective electrode & inorganic cationic complexes of copper [WAGEMANN 1980] 646

Current bibliography on waste heat utilization in aquaculture [PAPST 1981] MR1598

Current status of lymphocystis & related diseases in walleye [KELLY 1980] 637a

Cyanazine
persistence & movement in soil [YOO 1981] 662a

Cyanophycease

- comparison of N-15 uptake & acetylene reduction methods for estimating N fixation [GRAHAM 1980] 607a (614)
- experimental manipulation of bloom composition [BARICA 1980] 623
- nitrogen fixation in Canadian Precambrian Shield lakes [FLETT 1980] 608 (614)
- relationship between thermal stability & summer oxygen depletion [PAPST 1980] 635
- some biological characteristics of plains aquatic ecosystems [BARICA 1980] 620

Cycling

- interrelationships between cycles of elements in freshwater ecosystems [SCHINDLER 1981] 675b
- methane cycling in aquatic environments [RUDD 1980] 639a

Cyprinus carpio
See: Carp

Dace, finescale
mechanisms of movement of Hg [RUDD 1980] 625c

Dace, pearl
dynamics of Se in Hg contaminated ecosystems [RUDD 1980] 621
mechanisms of movement of Hg [RUDD 1980] 625c

Daphnia magna

- culture [LEONHARD 1981] 652c
- effects of survival, growth & reproduction [LEONHARD 1979] 590j

Daphnia pulex culture [LEONHARD 1981] 652c

Data analysis
maximizing information return from preference & avoidance response data [DE MARCH 1980] TR975 646f

Data bases, online
errors noted [MARSHALL 1980] 618

Data from Arctic grayling sport fishery on Kakisasa R. 1979 [FALK 1980] DR199

Data from commercial fishery for Arctic char in Cambridge Bay area 1971-78 [KRISTOFFERSON 1980] DR184; 1979-80 [CARDER 1981] DR284

Data from commercial fishery for lake whitefish on Gt Slave L. 1979 [MOSHENKO 1980] DR194; 1980 [MOSHENKO 1981] DR305

Data on Arctic charr from Baffin region [KRISTOFFERSON 1981] DR255

Data on walleye & other fish spp. from Mosquito Creek 1973-78 [FALK 1980] DR186

Decapoda

See: Hemigrapsus, Orconectes

Decreased survival & calcium uptake by *Orconectes* in low pH [MALLEY 1980] 600 (614)

Deep lakes

influence of eutrophication on benthic communities [SAETHER 1980] 632

Dehydrogenase isozymes in *Salvelinus* [CLAYTON 1980] 627

Demarch Lake (Man.)

morphometry & chemical analysis of water [BABALUK 1980] MR1575

Denil fishways

laboratory study of [KATOPODIS 1981] 670a

Denitrification in L.227 during summer stratification [CHAN 1980] 614

Depression of primary productivity by humic matter [JACKSON 1980] 648g

Dermal sarcoma/fibroma in walleye

current status [KELLY 1980] 637a
fish cell culture: continuous fibroblastic cell line [KELLY 1980] 624

Desperation Lake (NWT)

data on fish [MOSHENKO 1980] DR175

Determination

See: Analysis, chemical

Determination of niclosamide in water & sediment [MUIR 1980] 629

Determination of terbutryn & degradation products [MUIR 1980] 625

Determination of triarylphosphates in fish [MUIR 1980] 641a

Detoxification

induced tolerance to Cd in white suckers
[DUNCAN 1980] TR975 646e

Development, embryonic

effects of lake acidification on lake trout
[KENNEDY 1980] TR975 646b

Developmental stages

oxygenation characteristics of polymorphic
hemoglobins of coho salmon [GILES 1980] 592

Dezadeash Lake (Yukon)

comparison of fin-ray & scale age detn for
lake whitefish [MILLS 1980] 611 (614)

Diagnoses of *Tvetenia*, *Drathnalia* & *Eukief-feriella* [SAETHER 1981] 665

Diaptomus

effects of acid & Cd in Shield lake [LAWRENCE
1980] TR975 646d

Diel emergence patterns of mayflies of Roseau
R. [FRIESEN 1980] 583

Diet of fish

effect of high erucic acid rapeseed oil
[YURKOWSKI 1981] 675n

Diffusion

whole-lake model for distribution of sediment-
derived chemical species [HESSLEIN 1980] 613
(614)

Diffusion, vertical

determined by tritium tracer [QUAY 1980] 617a

Diffusion coefficients

in situ measurements of pore water diffusion
coefficients [HESSLEIN 1980] 612 (614)

Diflubenzuron

studies on dissipation from ponds [MADDER
1980] 593

Dimilin WP-25

studies on dissipation from ponds [MADDER
1980] 593

Dinitroaniline

uptake by fish [LOCKHART 1980] 646j

Dimobryon sertularia

analysis of response to light & P [KNOECHEL
1980] 614

Diphenyl phosphate

environmental dynamics of phosphate esters
[MUIR 1981] 673

Diptera

ecological studies of aquatic invertebrates of
AOSERP study area [BARTON 1980] 624a
relationships between emergence & phytoplank-
ton production in ELA [DAVIES 1980] 610
(614)

See also: Chironomidae, Simuliidae

Directory, Manitoba On-line Users Group, 1980
[MARSHALL 1980] 616; 1981 [MARSHALL 1981]
655a

Discussion, with tentative conclusions...Hg in

Wabigoon system [JACKSON 1980] 625b

Diseases

current status in walleye [KELLY 1980] 637a
See also: Virus

Dismal Lake (NWT)

data on fish [MOSHENKO 1980] DR175

Dissipation

studies on dissipation of diflubenzuron &
methoprene from ponds [MADDER 1980] 593

Distribution

Gammarus stocked into ponds [MATHIAS 1981]
TR989

phytoplankton of euphotic zone of L. Tanganyika
[HECKY 1981] 661

Zn etc. near base metal smelter [FRANZIN 1980]
644a; [FRANZIN 1981] 656a

Distribution maps of ciscos [CLARKE 1980] 648g;
[CLARKE 1980] 648r

Distribution of Ephemeroptera in N. Canada [COBB
1980] 582

Diversity

effects on phytoplankton in L.223 as result of
lowering pH [FINDLAY 1980] MR1585
thermodynamic origin of ecosystems [JOHNSON
1981] 664

Dolly varden

Arctic charr, Salvelinus alpinus [JOHNSON
1980] 626

bibliography to 1980 [MARSHALL 1981] TR1004
dehydrogenase isozymes in Salvelinus [CLAYTON
1980] 627

Domestic sewage

experimental studies on effect of As on micro-
bial degradation [BRUNSKILL 1980] 603 (614)

Doncricotopus bicaudatus [SAETHER 1981] 666

Dorosoma cepedianum

See: Shad, gizzard

DPP

environmental dynamics of phosphate esters
[MUIR 1981] 673

Drathnalia

diagnoses [SAETHER 1981] 665

Dredging

recent trends in environmental impact assess-
ment [ROSENBERG 1981] 658

Drift

effects of experimental injection of methoxy-
chlor on [FLANNAGAN 1980] 614a

Drum, freshwater

Methoxychlor studies, Athabasca R. [LOCKHART
1980] 614c

Dubawnt Lake (NWT)

data on fish [MOSHENKO 1980] DR175

Duckweed (Lemna minor)

fate of fenitrothion in small ponds [MALIS
1980] 641b

- fate of terbutryn in farm pond [MUIR 1981] 670
 phytotoxicity tests [LOCKHART 1979] 5901
 uptake of herbicides [LOCKHART 1981] 673d
- Dursban
 effects on chlorophyll a of ponds [PAPST 1980] 620a
 persistence [HUGHES 1980] 622a
- Dynamics, environmental
 comparison of 2 aquatic herbicides [MUIR 1981] 673e
 phosphate esters [MUIR 1980] 639; [MUIR 1981] 673
- Dynamics of Cd-stressed plankton communities [MARSHALL 1980] 614
- Dynamics of Se in Hg contaminated ecosystems [RUDD 1980] 621
- Eagle Lake (Ont.)
 oxygen depletion [MATHIAS 1979] 591
- Ecological effects of whole-lake acidification [SCHINDLER 1980] 648o
- Ecological studies of aquatic invertebrates of AOSERP study area [BARTON 1980] 624a
- Economic performance of commercial skiff fishery in W. Canada [THOMPSON 1981] TR1037
- Ecosystems
 dynamics of Se in Hg contaminated ecosystems [KJDD 1980] 621
 fallout, distribution & some effects of Zn etc. near base metal smelter [FRANZIN 1980] 644a
 hypertrophic ecosystems [BARICA 1980] 645a
 some biological characteristics of plains aquatic ecosystems [BARICA 1980] 620
 why hypertrophic ecosystems? [BARICA 1980] 645b
 interrelationships between cycles of elements in freshwater ecosystems [SCHINDLER 1981] 675b
 thermodynamic origin [JOHNSON 1981] 664
- Eddy diffusion
 rates determined by tritium tracer [QUAY 1980] 617a
- Effect of dietary high erucic acid rapeseed oil on rainbow trout [YURKOWSKI 1981] 675n
- Effect of fertilization on eutrophication of experimental lakes [SCHINDLER 1980] 643b
- Effect of water chemistry on uptake of organic pollutants by fish [MUIR 1980] TR975 646a
- Effects of acid & Cd on zooplankton in Shield lake [LAWRENCE 1980] TR975 646d
- Effects of acid deposition on Canadian lakes & fisheries [SCHINDLER 1980] 648n
- Effects of acidification on mobilization of heavy metals from sediments [SCHINDLER 1980] 601 (614)
- Effects of artificial acidification on growth of periphyton [MULLER 1980] 599 (614)
- Effects of crude oil on Ephemeroptera in Trail R. [ROSENBERG 1980] 585
- Effects of enclosure
 3-year study on zooplankton [MELLINGER 1981] 669b
- Effects of experimental injection of methoxy-chlor on aquatic invertebrates [FLANNAGAN 1980] 614a
- Effects of lake acidification on embryonic development of lake trout [KENNEDY 1980] TR975 646b
- Effects of Hg compounds on fish [ARMSTRONG 1979] 580
- Effects of survival, growth & reproduction of Daphnia magna [LEONHARD 1979] 590j
- Effects of synthetic crude oil on benthic river communities [LOCK 1981] 654; [LOCK 1981] 655
- Effects of two organophosphorus insecticides on chlorophyll a of standing ponds [PAPST 1980] 620
- Effects of windstorm & forest fire on chemical losses from watershed [SCHINDLER 1980] 596 (614)
- Effects on phytoplankton in L.223 as result of lowering pH [FINDLAY 1980] MR1585
- Eggs of Hexagenia used in toxicity testing [FRIESEN 1979] 590d
- EHDP
 environmental dynamics of phosphate esters [MUIR 1981] 673
- El Salvador
 recommendation for pond culture [DAVIES 1980] 648s
- Eldorado Uranium refinery, report of Environmental Assessment Panel [KLENAVIC 1980] 648m
- Eleanor Lake (NWT)
 oxygen depletion [MATHIAS 1979] 591
- Electrodes, ion-selective
 cupric electrode & inorganic cationic complexes of copper [WAGEMANN 1980] 646
- Electrophysiological & biochemical properties of olfactory receptors [HARA 1980] 648e
- Electrophysiological studies in fish [HARA 1981] 668a
- Electrophysiological test for neurotoxicity in fish [HARA 1979] 590f
- Elements
 interrelationships between cycles of elements in freshwater ecosystems [SCHINDLER 1981] 675b

- Elevated Zn, Cd & Pb in ice-covered lakes
[FRANZIN 1981] 649
- Ellice Lake (NMT)
data on fish [MOSHENKO 1980] DR175
- Embryonic development
effects of lake acidification on lake trout
[KENNEDY 1980] TR975 646b
lipid changes during, of lake whitefish
[YURKOWSKI 1980] 648f
- Embryonic fish
testing [MacDONALD 1979] 590n
- Emergence
relationships between dipteran emergence &
phytoplankton production in ELA [DAVIES 1980]
610 (614)
sampling in S. Indian L. [ROSENBERG 1980] 622;
[ROSENBERG 1980] 648p
- Emergence patterns
mayflies of Roseau R. [FRIESEN 1980] 583
- Emissions of sulfur dioxide emissions [SCHINDLER
1981] 675c
- Enclosure
gas exchange, photosynthetic uptake & C budget
for enclosure in stratified lake [BOWER 1980]
614
- Enclosure effects
continuous culturing of phytoplankton in ELA
[DeNOVELLES 1980] 614
3-year study of zooplankton [MELLINGER 1981]
669b
- Energy flow
thermodynamic origin of ecosystems [JOHNSON
1981] 664
- English River
problem of Hg pollution [JACKSON 1980] 625a
- Enrichment
seasonal successions of phytoplankton 1977-79
[FINDLAY 1981] MR1627
See also: Eutrophication
- Enseignement novateur de l'entomologie aquatique
[RESH 1981] 675a
- Entomology, aquatic
enseignement novateur de l'entomologie aqua-
tique [RESH 1981] 675a
- Environmental contaminant level monitoring
state of the art of environmental contaminant
level monitoring [UTHE 1981] 675k
- Environmental dynamics
comparison of the environmental dynamics of 2
aquatic herbicides [MUIR 1981] 673e
- Environmental dynamics of phosphate esters [MUIR
1980] 639; [MUIR 1981] 673
- Environmental impact assessment
Eldorado Uranium refinery, report of Environ-
mental Assessment Panel [KLENAVIC 1980] 648m
- recent trends in environmental impact assess-
ment [ROSENBERG 1981] 658
25 year scenario of resource developments in
Prairie Provinces & NMT [WRIGHT 1980] MR1546
- Ephemeroptera
advances in Ephemeroptera biology [FLANNAGAN
1980] 581a
diel emergence patterns of Roseau R. [FRIESEN
1980] 583
distribution in N. Canada [CORB 1980] 582
ecological studies AOSERP study area [BARTON
1980] 624a
effects of crude oil in Trail R. [ROSENBERG
1980] 585
effects of methoxychlor [FLANNAGAN 1980]
614a; [FLANNAGAN 1980] 614b
evaluation of acute toxicity of Cd to nymphs
of *Hexagenia* [LEONHARD 1980] 586
Hexagenia rigida culture [FRIESEN 1981] 652i
Investigation of feeding habits of walleye
fingerlings [LI 1981] TR1040
mechanisms that maintain population stability
[GYSELMAN 1980] 584
use of eggs of *Hexagenia* in toxicity testing
[FRIESEN 1979] 590d
- Ephemeroptera and pollution, bibliography
[MARSHALL 1980] 587
- Epidermal hyperplasia
current status in walleye [KELLY 1980] 637a
- Erie, Lake
influence of eutrophication on benthic com-
munities [SAETHER 1980] 632
- Erosion rates
watershed data on L. Winnipeg [BRUNSKILL 1980]
MR1556
- Errors noted in online data bases [MARSHALL
1980] 618
- Errors in molybdenum blue methods for ortho-
phosphate [STANTON 1980] 606 (614)
- Erucic acid
effect of rapeseed oil on rainbow trout
[YURKOWSKI 1981] 675n
- Esox lucius*
See: Pike, northern
- Essais de toxicité pour organismes d'eau douce
[SCHERER 1981] 653
- Esters, phosphate
environmental dynamics [MUIR 1980] 639; [MUIR
1981] 673
- Estimating annual phytoplankton production
important factors for [FEE 1980] 609 (614)
- Ethylfluralin
uptake by fish [LOCKHART 1980] 646j
- Ethylhexyl diphenyl phosphate
environmental dynamics [MUIR 1981] 673
- Eukiefferiella
diagnoses [SAETHER 1981] 665

Euphotic zone

phytoplankton of L.Tanganyika [HECKY 1981]
661

Eutrophication

comment on FEE 1979 [PATALAS 1980] 643a
effect of fertilization on experimental lakes
[SCHINDLER 1980] 643b
experimental manipulation of algal bloom
composition [BARICA 1980] 623
experimental studies on effect of As on micro-
bial degradation [BRUNSKILL 1980] 603 (614)
hypolimnion injection of nutrient effluents to
nitrogen fixation in Canadian Precambrian
Shield lakes [FLETT 1980] 608 (614)
relationships between dipteran emergence &
phytoplankton production in ELA [DAVIES 1980]
610 (614)
reply to comments by Patalas & Schindler [FEE
1980] 643c
seasonal successions of phytoplankton 1977-79
[FINDLAY 1981] MR1627
some biological characteristics of plains
aquatic ecosystems [BARICA 1980] 620

Evaluation of acute toxicity of Cd to nymphs of
Hexagenia [LEONHARD 1980] 586

Evaluation of Cd toxicity to osmoregulatory
function in rainbow trout [GILES 1980] TR975
646c

Evidence for biochemical genetic isolation of
lake whitefish [FOOTE 1980] 620b

Evolution

thermodynamic origin of ecosystems [JOHNSON
1981] 664

Evolution of Experimental Lakes Project
[SCHINDLER 1980] 594 (614)

Examination of Cd, Cu & Hg concentrations in
N.pike & sucker near Flin Flon [McFARLANE
1980] 641

Exchange rate measurements of gas in natural
systems [BROECKER 1980] 648k

Experimental acidification of L.223: background
data [SCHINDLER 1980] 598 (614)

Experimental acidification of a whole lake
[SCHINDLER 1980] 647

Experimental design

maximizing information return from preference
& avoidance response data [DE MARCH 1980]
TR975 646f

Experimental fish catches

pre- & post-impoundment fish catches, S.
Indian L. 1972-79 [BODALY 1980] DR201

Experimental freshwater ecosystems

dynamics of Se in Hg contaminated ecosystems
[RUDD 1980] 621

Experimental injection

effects of methoxychlor on aquatic inverte-
brates [FLANAGAN 1980] 614a; [FLANAGAN
1980] 614b

Experimental Lakes Area

analysis of response of hypolimnetic phyto-
plankton to light & P [KNOEHEL 1980] 614
Cd & Hg stress in plankton of L.382 [MARSHALL
1981] 672a
Cs-137 etc. in fish populations [ELLIOTT 1981]
DR293
comparison of fin-ray & scale age for lake
whitefish [MILLS 1980] 611 (614)
comparison of N-15 uptake & acetylene reduc-
tion methods for estimating N fixation
[GRAHAM 1980] 607a (614)
continuous culturing of phytoplankton
[DeNOVELLES 1980] 614
decreased survival & Ca uptake by Orconectes
in low pH [MALLEY 1980] 600 (614)
dynamics of Cd-stressed plankton communities
[MARSHALL 1980] 614
ecological effects of whole lake acidification
[SCHINDLER 1980] 648o
effect of fertilization on eutrophication of
experimental lakes [SCHINDLER 1980] 643b
effects of acid deposition on Canadian lakes &
fisheries [SCHINDLER 1980] 648n
effects of acidification on mobilization of
heavy metals from sediments [SCHINDLER 1980]
601 (614)
effects of artificial acidification on growth
of periphyton [MULLER 1980] 599 (614)
effects of windstorm & forest fire on chemical
losses from watershed [SCHINDLER 1980] 555
(614)
evolution of Experimental Lakes Project
[SCHINDLER 1980] 594 (614)
experimental acidification of L.223: back-
ground data [SCHINDLER 1980] 598 (614)
experimental manipulation of whole lakes
[SCHINDLER 1981] 675h
experimental studies on effect of As on micro-
bial degradation [BRUNSKILL 1980] 603 (614)
experimental study of trace metal chemistry in
soft-water lakes [JACKSON 1980] 602a (614)
fates of metal radiotracers added to whole
lake: sediment-water interactions [HESSLEIN
1980] 601 (614)
gas exchange, photosynthetic uptake & C budget
for enclosure [BOWER 1980] 614
gas exchange rate measurements in natural sys-
tems [BROECKER 1980] 648k
haptobenthic photosynthesis [TURNER 1981]
675m
hydrometeorological data, 1969-78 [BEATY 1981]
DR285
hypolimnion injection of nutrient effluents to
reduce eutrophication [SCHINDLER 1980] 595
(614)
important factors for estimating annual phyto-
plankton production [FEE 1980] 609 (614)
interrelationships between cycles of elements
in freshwater ecosystems [SCHINDLER 1981]
675b
lake water chemistry & Zn toxicity to plankton
communities [MARSHALL 1981] 669a
light attenuation, 1979 [SHEARER 1980] DR189;
1980 [SHEARER 1981] DR259
N fixation [FLETT 1980] 608 (614)
physiological indicators of nutrient defi-
ciency in phytoplankton [HEALEY 1980] 604
(614)
phytoplankton primary production, chlorophyll
& suspended C in ELA 1979 [DeCLERCQ 1980]
DR200; 1980 [DeBRUYN 1981] DR260
radiochemical analysis of orthophosphate con-

- centrations in 2 lakes [LEVINE 1980] 607 (614)
- relationships between dipteran emergence & phytoplankton production [DAVIES 1980] 610 (614)
- responses of lake whitefish to whole-lake fertilization [MILLS 1981] 675g
- response of zooplankton to whole lake chemical modifications [MALLEY 1980] 648j
- seasonal successions of phytoplankton 1977-79 [FINDLAY 1981] NR1627
- seasonal variations of zooplankton in L.382 [MELLINGER 1980] 622b
- species composition of zooplankton in L.223, 1974-79 [CHANG 1981] DR290
- 3-year study of effects of enclosure on zooplankton [MELLINGER 1981] 669b
- vertical diffusion rates determined by tritium tracer [QUAY 1980] 617a
- water renewal efficiency of watershed & lake combinations [NEUBURY 1980] 597 (614)
- whole-lake radiocarbon experiment [HESSLEIN 1980] 605 (614)
- Experimental Lakes Area lakes
- 114
- hydrometeorological data 1969-78 [BEATY 1981] DR285
- important factors for estimating annual phytoplankton production [FEE 1980] 609 (614)
- light attenuation 1979 [SHEARER 1980] DR189; 1980 [SHEARER 1981] DR259
- phytoplankton primary production, chlorophyll & suspended C 1979 [DeCLERCQ 1980] DR200; 1980 [DeBRUYN 1981] DR260
- water renewal efficiency [NEUBURY 1980] 597 (614)
- 120
- hydrometeorological data 1969-78 [BEATY 1981] DR285
- important factors for estimating annual phytoplankton production [FEE 1980] 609 (614)
- maintenance of Fe meromixis by Fe redeposition [CAMPBELL 1980] 630
- water renewal efficiency of watershed & lake combinations [NEUBURY 1980] 597 (614)
- 122
- comparison of fin-ray & scale age detn for lake whitefish [MILLS 1980] 611 (614)
- oxygen depletion in ice-covered lakes [MATHIAS 1979] 591
- 132
- factors controlling oxygen depletion in ice-covered lakes [MATHIAS 1979] 591
- 222
- light attenuation 1980 [SHEARER 1981] DR259
- phytoplankton primary production, chlorophyll & suspended C 1980 [DeBRUYN 1981] DR260
- 223
- decreased survival & Ca uptake by *Orconectes* in low pH [MALLEY 1980] 600 (614)
- dynamics of Cd-stressed plankton communities [MARSHALL 1980] 614
- ecological effects of whole lake acidification [SCHINDLER 1980] 648b
- effects of acid & Cd on zooplankton [LAMRENCE 1980] TR975 646d
- effects of acid deposition on Canadian lakes fisheries [SCHINDLER 1980] 648n
- effects of acidification on mobilization of heavy metals from sediments [SCHINDLER 1980] 601 (614)
- effects of artificial acidification on growth of periphyton [MULLER 1980] 599 (614)
- effects of lake acidification on embryonic development of lake trout [KENNEDY 1980] TR975 646b
- effects on phytoplankton of lowering pH [FINDLAY 1980] NR1585
- experimental acidification background data [SCHINDLER 1980] 598 (614)
- experimental acidification of a whole lake [SCHINDLER 1980] 647
- experimental manipulation of whole lakes [SCHINDLER 1981] 675h
- experimental study of trace metal chemistry in soft-water lakes [JACKSON 1980] 602a (614)
- hydrometeorological data 1969-78 [BEATY 1981] DR285
- important factors for estimating annual phytoplankton production [FEE 1980] 609 (614)
- interrelationships between cycles of elements in freshwater ecosystems [SCHINDLER 1981] 675b
- light attenuation 1979 [SHEARER 1980] DR189; 1980 [SHEARER 1981] DR259
- phytoplankton primary production, chlorophyll & suspended C 1979 [DeCLERCQ 1980] DR200; 1980 [DeBRUYN 1981] DR260
- relationships between dipteran emergence & phytoplankton production [DAVIES 1980] 610 (614)
- response of zooplankton to whole lake chemical modifications [MALLEY 1980] 648j
- species composition of zooplankton 1974-79 [CHANG 1981] DR290
- teratogenesis in lake trout [KENNEDY 1980] 648
- water renewal efficiency [NEUBURY 1980] 597 (614)
- 224
- fates of metal radiotracers added to whole lake: sediment-water interactions [HESSLEIN 1980] 601 (614)
- gas exchange rate measurements [BROECKER 1980] 648k
- hydrometeorological data 1969-78 [BEATY 1981] DR285
- important factors for estimating annual phytoplankton production [FEE 1980] 609 (614)
- relationships between dipteran emergence & phytoplankton production [DAVIES 1980] 610 (614)
- teratogenesis in lake trout [KENNEDY 1980] 648
- vertical diffusion rates determined by tritium tracer [QUAY 1980] 617a
- water renewal efficiency [NEUBURY 1980] 597 (614)
- whole-lake radiocarbon experiment [HESSLEIN 1980] 605 (614)
- 225
- hydrometeorological data 1969-78 [BEATY 1981] DR285
- water renewal efficiency [NEUBURY 1980] 597 (614)
- 226
- Cs-137 etc. in fish populations...lakes [ELLIOTT 1981] DR293
- comparison of fin-ray & scale age for lake whitefish [MILLS 1980] 611 (614)
- comparison of N-15 uptake & acetylene reduction methods for estimating N fixation [GRAHAM 1980] 607a (614)
- continuous culturing of phytoplankton [DeNOVELLES 1980] 614
- effect of fertilization on eutrophication [SCHINDLER 1980] 643b

- gas exchange rate measurements in natural systems [BROECKER 1980] 648k
 haptobenthic photosynthesis [TURNER 1981] 675m
 hydrometeorological data 1969-78 [BEATY 1981] DR285
 important factors for estimating annual phytoplankton production [FEE 1980] 609 (614)
 interrelationships between cycles of elements in freshwater ecosystems [SCHINDLER 1981] 675b
 light attenuation 1979 [SHEARER 1980] DR189; 1980 [SHEARER 1981] DR259
 N fixation [FLETT 1980] 608 (614)
 physiological indicators of nutrient deficiency in phytoplankton [HEALEY 1980] 604 (614)
 phytoplankton primary production, chlorophyll & suspended C 1979 [DeCLERCQ 1980] DR200; 1980 [DeBRUYN 1981] DR260
 relationships between dipteran emergence & phytoplankton production [DAVIES 1980] 610 (614)
 seasonal successions of phytoplankton 1977-79 [FINDLAY 1981] MR1627
 water renewal efficiency [NEWBURY 1980] 597 (614)
- 227
 comparison of N-15 uptake & acetylene reduction methods for estimating N fixation [GRAHAM 1980] 607a (614)
 denitrification during summer stratification [CHAN 1980] 614
 effect of fertilization on eutrophication [SCHINDLER 1980] 643b
 errors in molybdenum blue methods for orthophosphate [STANTON 1980] 606 (614)
 gas exchange rate measurements [BROECKER 1980] 648k
 hydrometeorological data 1969-78 [BEATY 1981] DR285
 important factors for estimating annual phytoplankton production [FEE 1980] 609 (614)
 in situ measurements of pore water diffusion coefficients [HESSLEIN 1980] 612 (614)
 interrelationships between cycles of elements [SCHINDLER 1981] 675b
 light attenuation 1979 [SHEARER 1980] DR189; 1980 [SHEARER 1981] DR259
 N fixation [FLETT 1980] 608 (614)
 oxygen depletion in ice-covered lakes [MATHIAS 1979] 591
 physiological indicators of nutrient deficiency in phytoplankton [HEALEY 1980] 604 (614)
 phytoplankton primary production, chlorophyll & suspended C 1979 [DeCLERCQ 1980] DR200; 1980 [DeBRUYN 1981] DR260
 radiochemical analysis of orthophosphate concentrations [LEVINE 1980] 607 (614)
 relationships between dipteran emergence & phytoplankton production [DAVIES 1980] 610 (614)
 response of zooplankton to whole lake chemical modifications [MALLEY 1980] 648j
 responses of lake whitefish to whole-lake fertilization [MILLS 1981] 675g
 seasonal successions of phytoplankton 1977-79 [FINDLAY 1981] MR1627
 species composition & seasonal abundance of zooplankton 1969-78 [CHANG 1980] DR182
 vertical diffusion rates determined by tritium tracer [QUAY 1980] 617a
- whole-lake model for distribution of sediment-derived chemical species [HESSLEIN 1980] 613 (614)
- 228
 important factors for estimating annual phytoplankton production [FEE 1980] 609 (614)
- 230
 effect of fertilization on eutrophication [SCHINDLER 1980] 643b
 hydrometeorological data 1969-78 [BEATY 1981] DR285
 important factors for estimating annual phytoplankton production [FEE 1980] 609 (614)
 oxygen depletion in ice-covered lakes [MATHIAS 1979] 591
 water renewal efficiency [NEWBURY 1980] 597 (614)
- 239
 continuous culturing of phytoplankton [DeNOYELLES 1980] 614
 effects of windstorm & forest fire on chemical losses [SCHINDLER 1980] 596 (614)
 haptobenthic photosynthesis [TURNER 1981] 675m
 hydrometeorological data 1969-78 [BEATY 1981] DR285
 important factors for estimating annual phytoplankton production [FEE 1980] 609 (614)
 lake water chemistry & Zn toxicity to plankton communities [MARSHALL 1981] 669a
 light attenuation 1979 [SHEARER 1980] DR189; 1980 [SHEARER 1981] DR259
 N fixation [FLETT 1980] 608 (614)
 oxygen depletion in ice-covered lakes [MATHIAS 1979] 591
 physiological indicators of nutrient deficiency in phytoplankton [HEALEY 1980] 604 (614)
 phytoplankton primary production, chlorophyll & suspended C 1979 [DeCLERCQ 1980] DR200; 1980 [DeBRUYN 1981] DR260
 water renewal efficiency [NEWBURY 1980] 597 (614)
- 240
 oxygen depletion in ice-covered lakes [MATHIAS 1979] 591
 hydrometeorological data 1969-78 [BEATY 1981] DR285
 important factors for estimating annual phytoplankton production [FEE 1980] 609 (614)
 water renewal efficiency [NEWBURY 1980] 597 (614)
- 259
 comparison of fin-ray & scale age for lake whitefish [MILLS 1980] 611 (614)
- 261
 effect of fertilization on eutrophication [SCHINDLER 1980] 643b
 hydrometeorological data 1969-78 [BEATY 1981] DR285
 important factors for estimating annual phytoplankton production [FEE 1980] 609 (614)
 light extinction 1979 [SHEARER 1980] DR189
 N fixation [FLETT 1980] 608 (614)
 oxygen depletion in ice-covered lakes [MATHIAS 1979] 591
 physiological indicators of nutrient deficiency in phytoplankton [HEALEY 1980] 604 (614)
 phytoplankton primary production, chlorophyll & suspended C 1979 [DeCLERCQ 1980] DR200
 seasonal successions of phytoplankton 1977-79 [FINDLAY 1981] MR1627

- water renewal efficiency [NEWBURY 1980] 597 (614)
- 265 hydrometeorological data 1969-78 [BEATY 1981] DR285
oxygen depletion in ice-covered lakes [MATHIAS 1979] 591
water renewal efficiency [NEWBURY 1980] 597 (614)
- 266 analysis of response of hypolimnetic phytoplankton to light & P [KNOECHEL 1980] 614
- 302 Cs-137 etc. in fish populations [ELLIOTT 1981] DR293
comparison of fin-ray & scale age for lake whitefish [MILLS 1980] 611 (614)
effects of fertilization on eutrophication [SCHINDLER 1980] 643b
gas exchange, photosynthetic uptake & carbon budget for enclosure in stratified lake [BOWER 1980] 614
hypolimnion injection of nutrient effluents to reduce eutrophication [SCHINDLER 1980] 595 (614)
important factors for estimating annual phytoplankton production [FEE 1980] 609 (614)
light attenuation 1980 [SHEARER 1981] DR259
N fixation [FLETT 1980] 608 (614)
physiological indicators of nutrient deficiency in phytoplankton [HEALEY 1980] 604 (614)
phytoplankton primary production, chlorophyll & suspended C 1980 [DeBRUYN 1981] DR260
radiochemical analysis of orthophosphate concentrations [LEVINE 1980] 607 (614)
relationships between dipteran emergence & phytoplankton production [DAVIES 1980] 610 (614)
seasonal successions of phytoplankton 1977-79 [FINDLAY 1981] MR1627
- 303 effect of fertilization on eutrophication [SCHINDLER 1980] 643b
experimental studies on effect of As on microbial degradation [BRUNSKILL 1980] 603 (614)
experimental study of trace metal chemistry [JACKSON 1980] 602a (614)
hydrometeorological data 1969-78 [BEATY 1981] DR285
important factors for estimating annual phytoplankton production [FEE 1980] 609 (614)
light extinction 1979 [SHEARER 1980] DR189
oxygen depletion in ice-covered lakes [MATHIAS 1979] 591
phytoplankton primary production, chlorophyll & suspended C 1979 [DeCLERCQ 1980] DR200
water renewal efficiency [NEWBURY 1980] 597 (614)
- 304 comparison of N-15 uptake & acetylene reduction methods for estimating N fixation [GRAHAM 1980] 607a (614)
effect of fertilization on eutrophication [SCHINDLER 1980] 643b
hydrometeorological data 1969-78 [BEATY 1981] DR285
important factors for estimating annual phytoplankton production [FEE 1980] 609 (614)
interrelationships between cycles of elements in freshwater ecosystems [SCHINDLER 1981] 675b
- light attenuation 1979 [SHEARER 1980] DR189; 1980 [SHEARER 1981] DR259
oxygen depletion in ice-covered lakes [MATHIAS 1979] 591
phytoplankton primary production, chlorophyll & suspended C 1979 [DeCLERCQ 1980] DR200; 1980 [DeBRUYN 1981] DR260
seasonal successions of phytoplankton 1977-79 [FINDLAY 1981] MR1627
water renewal efficiency [NEWBURY 1980] 597
- 305 comparison of fin-ray & scale age for lake whitefish [MILLS 1980] 611 (614)
important factors for estimating annual phytoplankton production [FEE 1980] 609 (614)
oxygen depletion in ice-covered lakes [MATHIAS 1979] 591
- 310 comparison of fin-ray & scale age for lake whitefish [MILLS 1980] 611 (614)
- 382 Cd & Hg stress in plankton [MARSHALL 1981] 672a
light attenuation 1979 [SHEARER 1980] DR189; 1980 [SHEARER 1981] DR259
phytoplankton primary production, chlorophyll & suspended C 1979 [DeCLERCQ 1980] DR200; 1980 [DeBRUYN 1981] DR260
seasonal variations of zooplankton [MELLINGER 1980] 622b
3-year study of effects of enclosure on zooplankton [MELLINGER 1981] 669b
- 383 important factors for estimating annual phytoplankton production [FEE 1980] 609 (614)
light extinction 1979 [SHEARER 1980] DR189
phytoplankton primary production, chlorophyll & suspended C 1979 [DeCLERCQ 1980] DR200
- 468 comparison of fin-ray & scale age for lake whitefish [MILLS 1980] 611 (614)
- 470 hydrometeorological data 1969-78 [BEATY 1981] DR285
important factors for estimating annual phytoplankton production [FEE 1980] 609 (614)
water renewal efficiency [NEWBURY 1980] 597 (614)
- 661 light attenuation, 1980 [SHEARER 1981] DR259
phytoplankton primary production, chlorophyll & suspended C 1980 [DeBRUYN 1981] DR260
- Experimental manipulation of algal bloom composition [BARICA 1980] 623
- Experimental manipulation of whole lakes [SCHINDLER 1981] 675h
- Experimental sediment additions
responses of Chironomidae in Harris R. [ROSENBERG 1980] 656
- Experimental studies on effect of As on microbial degradation [BRUNSKILL 1980] 603 (614)
- Experimental study of trace metal chemistry in soft-water lakes [JACKSON 1980] 602a (614)
- Extraction & cleanup of fish for detn of triaryl phosphates [MUIR 1981] 651

- Factors controlling oxygen depletion in ice-covered lakes [MATHIAS 1979] 591
- Factors for estimating annual phytoplankton production [FEE 1980] 609 (614)
- Fallout, distribution & some effects of Zn etc. near base metal smelter [FRANZIN 1980] 644a; [FRANZIN 1981] 656a
- Far Lake (NWT)
bathymetric map [DALTON 1981] DR273
- Farm ponds
fate of terbutryn [MUIR 1981] 670
- Fate of fenitrothion in small ponds [MALIS 1980] 641b
- Fate of terbutryn in farm ponds [MUIR 1981] 670
- Fates of metal radiotracers added to whole lake: sediment-water interactions [HESSLEIN 1980] 602 (614)
- Fatty acid
effect of high erucic acid rapeseed oil on rainbow trout [YURKOWSKI 1981] 675n
- Fecundity test
use of *Helisoma* [FLANNAGAN 1979] 590c
- Federal fisheries development [WARD 1980] 638a
- Feeding habits
walleye fingerlings [LI 1981] TR1040
- Females & immatures of *Paracricotopus* [SAETHER 1980] 640
- Females & immatures of *Trissocladius brevipalpis* [SAETHER 1980] 644
- Fenitrooxon
brain acetylcholinesterase inhibition in rainbow trout [KLAVERKAMP 1980] 637
- Fenitrothion
brain acetylcholinesterase inhibition in rainbow trout [KLAVERKAMP 1980] 637
fate in small ponds [MALIS 1980] 641b
stonefly head cholinesterase as indicator of exposure to [FLANNAGAN 1981] 659
- Fertilization
reponses of lake whitefish to whole-lake [MILLS 1981] 675g
See also: Eutrophication
- Fertilizers
watershed data on L.Winnipeg [BRUNSKILL 1980] MR1556
- Fibroblastic cell line
fish cell culture: continuous line from walleye [KELLY 1980] 624
- Fin-ray age
comparison of fin-ray & scale age for lake whitefish [MILLS 1980] 611 (614)
- Fingerlings, walleye
investigation of feeding habits [LI 1981] TR1040
preliminary experiments on growth [LI 1981] TR1041
- Fire, forest
effects on chemical losses from watershed [SCHINDLER 1980] 596 (614)
- Fish
avoidance testing [SCHERER 1979] 590q
behavioral & electrophysiological studies [HARA 1981] 668a
biochemical tests [LOCKHART 1979] 590m
biological data from 59 lakes in NWT 1959-68 [MOSHENKO 1980] DR175
detn of terbutryn & degradation products [MUIR 1980] 625
detn of triarylphosphates in [MUIR 1980] 641a
effects of Hg compounds [ARMSTRONG 1979] 580
electrophysiological & biochemical properties of olfactory receptors [HARA 1980] 648e
electrophysiological test for neurotoxicity in [HARA 1979] 590f
environmental dynamics of phosphate esters [MUIR 1981] 673
extraction & cleanup of, for detn of triaryl phosphates [MUIR 1981] 651
histochemical test for olfactory function in [EVANS 1979] 590b
influence of formulation of toxicity of methoxychlor [SEBASTIEN 1981] 657
methoxychlor studies in Athabasca R. [LOCKHART 1980] 614c
micro-extraction & cleanup techniques for detn chlorinated hydrocarbons in [SOLOMON 1981] 673b
micro-extraction & gas chromatographic analyses of petroleum hydrocarbons [MURRAY 1981] 673c
optomotor response test [SCHERER 1979] 590s
testing effects on cardiovascular & respiratory functions [MAJEWSKI 1979] 590o
testing embryonic & larval life stages [MacDONALD 1979] 590n
uptake of ethalfluralin [LOCKHART 1980] 646j
- Fish cell culture: continuous fibroblastic cell line from walleye [KELLY 1980] 624
- Fish catch
pre- & post-impoundment in S.Indian L. 1972-79 [BODALY 1980] DR201
- Fish culture
combination solar collector with recirculation units in fish culture [AYLES 1980] 648h
growth & survival of walleye in rearing ponds near L.Winnipegosis [CAMPBELL 1980] TR949
- Fish distribution
in Yukon lakes [LINDSEY 1981] TR966
- Fish intestinal contents
Hg methylation by [RUDD 1980] 634
- Fish kills
experimental manipulation of algal bloom composition [BARICA 1980] 623
- Fish movements in Peace-Athabasca Delta & effects of water control [KRISTENSEN 1981] DR61

- Fish passage
review of culvert fish passage methods
[KATOPODIS 1981] 675d
See also: Fishways
- Fish populations
Cs-137 etc. in [ELLIOTT 1981] DR293
- Fish populations in Peace-Athabasca Delta &
effects of water control [KRISTENSEN 1981]
DR61
- Fish production
L. Tanganyika [HECKY 1980] 662
- Fish resources
Gt Bear R. [CHANG-KUE 1980] MR1510
- Fish tissue
indicator of metal concentrations [FRANZIN
1980] TR975 646i
microextraction & gas chromatographic analysis
of hydrocarbons [MURRAY 1981] 668
- Fisheries
effects of acid deposition [SCHINDLER 1980]
648n
review of, in Mackenzie Delta [CORKUM 1981]
MR1613
- Fisheries development, federal [WARD 1980] 638a
- Fisheries investigations in MacKay R. watershed
[MACHNIAK 1980] 629a
- Fisheries, recreational
valuation [CAUVIN 1980] 631
See also: Angling
- Fishery management
data from Arctic grayling sport fishery on
Kakisa R. 1979 [FALK 1980] DR199
data from commercial fishery for Arctic char
in Cambridge Bay area 1971-78 [KRISTOFFERSON
1980] DR184
data from commercial fishery for Arctic char,
Cambridge Bay 1979-80 [CARDER 1981] DR284
data on Arctic charr from Baffin region
[KRISTOFFERSON 1981] DR255
data on walleye & other fish spp. from Mos-
quito Creek 1973-78 [FALK 1980] DR186
fish populations in Peace-Athabasca Delta &
effects of water control, data [KRISTENSEN
1981] DR61
questionnaire survey of sport fishing in Yel-
lowknife area 1979 [FALK 1981] MR1584
status of sport fisheries in Brabant I.-Beaver
L. area of Mackenzie R. [FALK 1980] MR1553
walleye sport fishery on Mosquito Creek 1973-
78 [FALK 1980] MR1559
- Fishery resources of Athabasca R. downstream of
Fort McMurray. V.1. [BOND 1980] 621a
- Fishery, commercial
Arctic charr, Cambridge Bay area 1971-78
[KRISTOFFERSON 1980] MR1591; 1979-80 [CARDER
1981] DR284
economic performance of commercial skiff fish-
ery in W. Canada [THOMPSON 1980] TR1037
lake whitefish, Gt Slave L. 1979 [MOSHENKO
1980] DR194; 1980 [MOSHENKO 1981] DR305
lake whitefish, S. Indian L. post-impoundment
changes [BODALY 1980] MR1555
- Fishways
design considerations for freshwater species
[KATOPODIS 1981] 649a
fish populations in Peace-Athabasca Delta &
effects of water control [KRISTENSEN 1981]
DR61
laboratory study of Denli fishways [KATOPODIS
1981] 670a
- Flame retardant
detn of triarylphosphates in fish [MUIR 1980]
641a
environmental dynamics of phosphate esters
[MUIR 1981] 673
- Flavor, muddy
geosmin & 2-methylisoborneol, cause of
[YURKOWSKI 1980] 636
- Flin Flon (Man.)
analysis of Myriophyllum as indicator of metal
contamination [FRANZIN 1980] 617
elevated Zn, Cd & Pb in ice-covered lakes
[FRANZIN 1981] 649
examination of Cd, Cu, & Hg concentrations in
N. pike & sucker [McFARLANE 1980] 641
fallout, distribution & some effects of Zn
etc. [FRANZIN 1980] 644a; [FRANZIN 1981]
650a
- Fluridone
environmental dynamics [MUIR 1981] 673e
persistence in small ponds [MUIR 1980] 579
- Food extract
behavioral reactions of whitefish to [KAMCHEN
1980] TR975 646g
- Forest fire
effects on chemical losses from watershed
[SCHINDLER 1980] 596 (614)
- Formulation
influence on toxicity of methoxychlor
[SEBASTIEN 1980] 614d; [SEBASTIEN 1981] 657
- Fort McMurray (Alta)
fishery resources of Athabasca R. [BOND 1980]
621a
- Fossil fuels
atmosphere-biosphere interactions [SCHINDLER
1981] 675i
recent trends in environmental impact assess-
ment [ROSENBERG 1981] 658
- Four Mile Lake (Ont.)
oxygen depletion [MATHIAS 1979] 591
- Frain's Lake (Mich.)
comparison of in situ & in vitro rates of
methane release [KELLY 1980] 628
- Freshwater ecosystems
interrelationships between cycles of elements
in [SCHINDLER 1981] 675b
- Freshwater Institute
biennial report 1976-78 [SCOTT 1981] TR1019
index to staff publications 1978-79 [MARSHALL
1981] TR992
review of programs [CAMPBELL 1980] 642a

Freshwater invertebrates

manual for culture of [LAWRENCE 1981] 652

Freshwater organisms

essais de toxicite pour organismes d'eau douce
[SCHERER 1981] 653
residual oxygen test [GILES 1979] 590e
toxicity tests for [SCHERER 1979] 590

Fry

oxygenation characteristics of polymorphic
hemoglobins of coho salmon [GILES 1980] 592

Fullness index

investigation of feeding habits of walleye
fingerlings [LI 1981] TR1040

Further considerations of time trend detns

[SCOTT 1981] 675j

Gadus morhua

See: Cod

Gametogenesis

effects of lake acidification on embryonic
development of lake trout [KENNEDY 1980]
TR975 646b

Gammarus

growth, survival & distribution when stocked
into ponds [MATHIAS 1981] TR989
investigation of feeding habits of walleye
fingerlings [LI 1981] TR1040
maximizing information return from preference
& avoidance response data [DE MARCH 1980]
TR975 646f

Gammarus lacustris lacustris culture [DE MARCH

1981] 652f

Gar, shortnose

literature review of life history [SWAIN 1980]
648a

Garrison Diversion

literature review of life histories of fishes
that may be introduced into Hudson Bay water-
shed [SWAIN 1980] 648a

Gas chromatography

analysis of headspace gases for volatile orga-
nic contaminants [MURRAY 1980] 577
microextraction & analysis of hydrocarbons
[MURRAY 1981] 668; [MURRAY 1981] 673c

Gas exchange

whole-lake radiocarbon experiment at ELA
[HESSLEIN 1980] 605 (614)

Gas exchange, photosynthetic uptake & carbon

budget for enclosure in stratified lake [BOMER
1980] 614

Gas exchange rate measurements in natural sys-

tems [BROECKER 1980] 648k

Gas-liquid chromatography

extraction & cleanup of fish for detn of
triaryl phosphates [MUJIR 1981] 651

Gas pipelines

methane addition to Arctic lake in winter
[MELCH 1980] 576

Gastropoda

See: Helisoma trivolvis

Gauer Lake (Man.)

mercury levels [McGREGOR 1980] DR195

Genetics, biochemical

dehydrogenase isozymes in Salvelinus [CLAYTON
1980] 627
evidence for isolation of lake whitefish
[FOOTE 1980] 620b

Geneva, Lake (Switzerland)

influence of eutrophication on benthic com-
munities [SAETHER 1980] 632

Genitalia

three female chironomid genitalia [SAETHER
1980] 615

Geographic distribution

Arctic charr [JOHNSON 1980] 626
ciscos [CLARKE 1980] 648q; [CLARKE 1980]
648r

Geosmin & 2-methylisoborneol, cause of muddy
odor [YURKOWSKI 1980] 636

Gjoa Haven (NWT)

Arctic char [KRISTOFFERSON 1982] MR1591

Glacial refuge

biochemical genetic evidence for isolation of
lake whitefish [FOOTE 1980] 620b

Glaciation & physical, chemical and biological
limnology of Yukon Lakes [LINDSEY 1981] TR966

Goldeye

Athabasca R. [BOND 1980] 621a
MacKay R. watershed [MACHNIAK 1980] 629a
Peace-Athabasca Delta & effects of water con-
trol [KRISTENSEN 1981] DR61
S. Indian L., pre- & post-impoundment catches
[BODALY 1980] DR201
Wood Buffalo National Park [KRISTENSEN 1981]
MR1560

Grandin Lake (NWT)

data on fish [MOSHENKO 1980] DR175

Granville Lake (Man.)

Hg levels [McGREGOR 1980] DR195

Grayling, Arctic

Brabant I.-Beaver L. area of Mackenzie R.
[FALK 1980] MR1553
central Keewatin region [MacDONALD 1980] 648c
Gt Bear R. [CHANG-KUE 1980] MR1510
Kakisa R. [FALK 1980] DR199
Mackay R. watershed [MACHNIAK 1980] 629a

Great Bear Lake (NWT)

data on fish [MOSHENKO 1980] DR175

Great Bear River (NWT)

fish resources [CHANG-KUE 1980] MR1510

Great Slave Lake (NWT)

Cs-137 etc. in fish populations [ELLIOTT 1981]
DR293
comparison of fin-ray & scale age for lake
whitefish [MILLS 1980] 611 (614)

- lake whitefish, 1979 [MOSHENKO 1980] DR194;
1980 [MOSHENKO 1981] DR305
- Great Lakes
influence of eutrophication on communities
[SAETHER 1980] 632
- Green Lake (Ont.)
oxygen depletion [MATHIAS 1979] 591
- Groundwater data
ELA, 1969-78 [BEATY 1981] DR285
- Growth
comparison of fin-ray & scale age for lake
whitefish [MILLS 1980] 611 (614)
Daphnia magna [LEONHARD 1979] 590j
goldeye in Wood Buffalo National Park
[KRISTENSEN 1981] MR1560
walleye fingerlings [LI 1981] TR1040; [LI
1981] TR1041
walleye in rearing ponds [CAMPBELL 1980]
TR949
walleye in S. Indian L. [BODALY 1980] TR931
- Growth, algal
experimental studies on effect of As on micro-
bial degradation [BRUNSKILL 1980] 603 (614)
primary production & algal growth in L.
Tanganyika [HECKY 1981] 660
- Growth & survival of walleye in rearing ponds
near L. Winnipegosis [CAMPBELL 1980] TR949
- Growth of periphyton
effects of artificial acidification [MULLER
1980] 599 (614)
- Growth rate
analysis of response of hypolimnetic phyto-
plankton to light & P [KNOECHEL 1980] 614
- Growth rate tests for testing toxicant effects
on algae [HEALEY 1979] 590g
- Growth, survival & distribution of *Gammarus*
stocked into ponds [MATHIAS 1981] TR989
- Growth test
use of *Helisoma* in multigeneration test
[FLANNAGAN 1979] 590c
- Guidelines, water quality [SCHERER 1980] 648k
- Habrobaenus hudsoni*
female genitalia [SAETHER 1980] 615
- Haliburton Lake (Ont.)
oxygen depletion [MATHIAS 1979] 591
- Hall's Lake (Ont.)
oxygen depletion [MATHIAS 1979] 591
- Hamel Lake (Sask.)
analysis of *Myriophyllum* as indicator of metal
contamination [FRANZIN 1980] 617
elevated Zn, Cd & Pb in [FRANZIN 1981] 649
examination of Cd, Cu, & Hg concentrations in
N. pike & sucker [McFARLANE 1980] 641
- Hanson Lake (Sask.)
current status of lymphocystis & related
diseases in walleye [KELLY 1980] 637a
- new herpes-like virus of fish [KELLY 1980]
616a
- Haptobenthic photosynthesis [TURNER 1981] 675m
- Harris River (NWT)
responses of Chironomidae to sediment addi-
tions [ROSENBERG 1980] 656
- Hay River (NWT)
walleye sport fishery 1978 [MOSHENKO 1980]
DR188
- Hay River area (NWT)
questionnaire survey of sport fishing, 1979
[FALK 1981] MR1584
- Hayes River (Man.)
paddling the river [NEWBURY 1981] 657b
river of spirits [NEWBURY 1981] 657a
- Head cholinesterase
indicator of exposure to fenitrothion in
stonefly [FLANNAGAN 1981] 659
- Headspace gases
analysis for volatile organic contaminants
[MURRAY 1980] 577
- Hearne Lake (NWT)
data on fish [MOSHENKO 1980] DR175
- Heat, waste
current bibliography on utilization in aqua-
culture [PAPST 1981] MR1598
- Heavy metals
analysis of water in Heming L. area [BABALUK
1980] MR1575
effects of acidification on mobilization from
sediments [SCHINDLER 1980] 601 (614)
fallout, distribution & some effects near base
metal smelter [FRANZIN 1980] 644a
further considerations of time trend detns
[SCOTT 1981] 675j
induced tolerance to Cd in white suckers
[DUNCAN 1980] TR975 646e
some pitfalls in using fish tissues as indi-
cators of metal concentrations [FRANZIN 1980]
TR975 646i
See also: Mercury, Cadmium, etc.
- Helisoma trivolvis*
culture [FRIESEN 1981] 652b
use in multigeneration mortality, growth &
fecundity test [FLANNAGAN 1979] 590c
- Hemigrapsus nudus*
urine production [DEHNEL 1980] 648b
- Heming Lake area (Man.)
morphometry of lakes & chemical analysis of
water [BABALUK 1980] MR1575
- Hemiptera
ecological studies in AOSERP study area
[BARTON 1980] 624a
- Hemoglobin
oxygenation characteristics of polymorphic
hemoglobins of coho salmon [GILES 1980] 592
- Hepatic activation
brain acetylcholinesterase inhibition in rain-

- bow trout [KLAVERKAMP 1980] 637
- Herbicides**
 comparison of the environmental dynamics [MUIR 1981] 673e
 detn of terbutryn & degradation products [MUIR 1980] 625
 fate of terbutryn in farm ponds [MUIR 1981] 670
 persistence & movement of cyanazine & procya-zine in soil [YOO 1981] 662a
 persistence of fluridone in small ponds [MUIR 1981] 579
 uptake by duckweed [LOCKHART 1981] 673d
 uptake by fish [LOCKHART 1980] 646j
- Herpes-like virus**
 new HLV of fish [KELLY 1980] 616a
- Heterotrophy**
 methanogenesis: measure of heterotrophic acti-vity in anaerobic lake [KELLY 1979] 581
- Hexachlorobiphenyl**
 effect of water chemistry on uptake by fish [MUIR 1981] TR975 646a
- Hexagenia rigida**
 culture [FRIESEN 1981] 652i
 evaluation of acute toxicity of Cd to nymphs [LEONHARD 1980] 586
 use of eggs in toxicity testing [FRIESEN 1979] 590d
- Hidden Lake (NWT)**
 data on fish [MOSHENKO 1980] DR175
- Higher plants**
See: Aquatic macrophytes, Duckweed
- Highway construction**
 responses of Chironomidae to sediment addi-tions in Harris R. [ROSENBERG 1980] 656
- Hiodon alosoides**
See: Goldeye
- Hill Island Lake (NWT)**
 data on fish [MOSHENKO 1980] DR175
- Histochemical test for olfactory function in fish** [EVANS 1979] 590b
- HLV**
 new HLV of fish [KELLY 1980] 616a
- Home Lake (Man.)**
 current status of lymphocystis & related diseases in walleye [KELLY 1980] 637a
 morphometry & chemical analysis of water [BABALUK 1980] MR1575
- Homing**
 pre- & post-spawning movements of walleye in S.Indian L. [BODALY 1980] TR931
- Hook Lake (Man.)**
 analysis of *Myriophyllum* as indicator of metal contamination [FRANZIN 1980] 617
 examination of Cd, Cu, & Hg concentrations in N.pike & sucker [McFARLANE 1980] 641
- Hudson Bay watershed**
 review of life histories of fishes that may be introduced via Garrison Diversion [SWAIN 1980] 648a
- Humic matter**
 experimental study of trace metal chemistry in soft-water lakes [JACKSON 1980] 602a (614)
- Huron, Lake**
 comparison of fin-ray & scale age for lake whitefish [MILLS 1980] 611 (614)
 influence of eutrophication on benthic com-munities [SAETHER 1980] 632
- Hyalella azteca* culture** [DE MARCH 1981] 652e
- Hyde Lake (NWT)**
 data on fish [MOSHENKO 1980] DR175
- Hydraulic study**
 laboratory study of Denil fishways [KATOPODIS 1981] 670a
- Hydrocarbons, chlorinated**
 micro-extraction & cleanup techniques for detn chlorinated hydrocarbons in fish [SOLOMON 1981] 673b
- Hydrocarbons, petroleum**
 microextraction & gas chromatographic analysis [MURRAY 1981] 668; [MURRAY 1981] 673c
- Hydroelectric design**
 some principles of compatible design [NEWBURY 1981] 675f
- Hydroelectric development**
 25 year scenario of resource developments in Prairie Provinces & NWT [WRIGHT 1980] MR1546
- Hydrology**
 data on L.Winnipeg [BRUNSKILL 1980] MR1556
 water budgets for S.Indian L. 1972-79 [McCULLOUGH 1981] MR1620
- Hydrometeorological data for ELA 1969-78** [BEATY 1981] DR285
- Hydrometeorological data from Saqvaqujac 1977-80** [DALTON 1981] DR273
- Hypertrophic ecosystems** [BARICA 1980] 645a
 why hypertrophic ecosystems? [BARICA 1980] 645b
- Hypolimnion**
 analysis of response of phytoplankton to light & P [KNOECHEL 1980] 614
 vertical diffusion rates determined by tritium tracer [QUAY 1980] 617a
- Hypolimnion injection of nutrient effluents to reduce eutrophication** [SCHINDLER 1980] 595 (614)
- Ice-covered lakes**
 elevated Zn, Cd & Pb [FRANZIN 1981] 649
 factors controlling oxygen depletion [MATHIAS 1979] 591
- Ice-jigger locator**
 federal fisheries development [WARD 1980] 638a

Ictalurus punctatus

See: Catfish, channel

ImmaturesParacricotopus [SAETHER 1980] 640Trissocladius brevipalpis [SAETHER 1980] 644Important factors for estimating annual phytoplankton production [FEE 1980] 609 (614)Impoundment

changes in commercial fishing of lake whitefish in S. Indian L. [BODALY 1980] MR1555

water budgets for S. Indian L. 1972-79

[McCULLOUGH 1981] MR1620

See also: Reservoirs

In situ measurements of pore water diffusion coefficients [HESSLEIN 1980] 612 (614)In situ methane releasecompared with in vitro rates [KELLY 1980] 628In situ study of Cd & Hg stress in plankton of L. 382 [MARSHALL 1981] 672aIn vitro methane releasecompared with in situ rates [KELLY 1980] 628Inconnu

Cs-137 etc. in, from lakes [ELLIOTT 1981]

DR293

Gt Bear R. [CHANG-KUE 1980] MR1510

Incubation, in situ

continuous culturing of phytoplankton in ELA [DeNOYELLES 1980] 614

Incubator

important factors for estimating annual phytoplankton production [FEE 1980] 609 (614)

Index to staff publications 1978-79 [MARSHALL 1981] TR992Indicatorsanalysis of Myriophyllum as indicator of metal contamination [FRANZIN 1980] 617

physiological indicators of nutrient deficiency in phytoplankton [HEALEY 1980] 604 (614)

some pitfalls in using fish tissues as indicators of metal concentrations [FRANZIN 1980] TR975 646i

stonefly head cholinesterase as indicator of exposure to fenitrothion [FLANNAGAN 1981] 659

Induced tolerance to Cd in white suckers [DUNCAN 1980] TR975 646eInfluence of eutrophication on deep lake benthic invertebrate communities [SAETHER 1980] 632Influence of formulation on toxicity of methoxychlor [SEBASTIEN 1980] 614d; [SEBASTIEN 1981] 657Information

maximizing return from preference & avoidance response data [DE MARCH 1980] TR975 646f

Information retrieval

Manitoba Online Users Group & directory 1980 [MARSHALL 1980] 616

online retrieval of information on Ephemeroptera [MARSHALL 1980] 587

online directory 1981 [MARSHALL 1981] 655a
some errors noted in online data bases [MARSHALL 1980] 618Information science review

regional reports: Manitoba [MARSHALL 1980] 619

Inhibition of acetylcholinesterase

in rainbow trout brain [KLAVERKAMP 1980] 637

Injection

effects of experimental injection of methoxychlor on aquatic invertebrates [FLANNAGAN 1980] 614a; [FLANNAGAN 1980] 614b

hypolimnion injection of nutrient effluent to reduce eutrophication [SCHINDLER 1980] 595 (614)

Innovative teaching in aquatic entomology

enseignement novateur de l'entomologie aquatique [RESH 1981] 675a

Inorganic complexes of copper

cupric ion-selective electrode & inorganic cationic complexes [WAGEMANN 1980] 646

Insect growth regulators

studies on dissipation of diflubenzuron & methoprene from ponds [MADDER 1980] 593

Insect morphology

underlying synapomorphies & anagenetic analysis [SAETHER 1979] 589

underlying synapomorphy & inside-parallelism in Chironomidae & Chaoboridae [SAETHER 1979] 588

Insecticideseffects of 2 organophosphorus insecticides on chlorophyll a of standing ponds [PAPST 1980] 620a

fate of fenitrothion in small ponds [MALIS 1980] 641b

persistence of 3 organophosphorus insecticides [HUGHES 1980] 622a

stonefly head cholinesterase as indicator of exposure to fenitrothion [FLANNAGAN 1981] 659

Inside-parallelism

underlying synapomorphy & inside-parallelism in Chironomidae & Chaoboridae [SAETHER 1979] 588

Interactions

atmosphere-biosphere interactions [SCHINDLER 1981] 675i

Interrelationships between cycles of elements in freshwater ecosystems [SCHINDLER 1981] 675bInterspecific interactions

preliminary experiments on growth of walleye fingerlings [LI 1981] TR1041

Intestinal contents of fish

Hg methylation by [RUDD 1980] 634

- Introduction: problem of Hg pollution in Wabigoon-English system [JACKSON 1980] 625a
- Introductions
literature review of life histories of fishes that may be introduced into Hudson Bay watershed [SWAIN 1980] 648a
- Invertebrates
advantages & disadvantages of using in toxicity testing [MACIOROWSKI 1980] 643
acute & long term effects of methoxychlor larviciding [FLANNAGAN 1980] 614b
avoidance testing [SCHERER 1979] 590q
ecological studies in AOSERP study area [BARTON 1980] 624a
effects of experimental injection of methoxychlor [FLANNAGAN 1980] 614a
influence of eutrophication on deep lake benthic communities [SAETHER 1980] 632
manual for culture [LAWRENCE 1981] 652
optomotor response test [SCHERER 1979] 590s
- Investigation of feeding habits of walleye fingerlings [LI 1981] TR1040
- Investigations of goldeye in Wood Buffalo National Park [KRISTENSEN 1981] MR1560
- Ion-selective electrodes
cupric electrode [WAGEMANN 1980] 646
- Iron
analysis of *Myriophyllum* as indicator of contamination [FRANZIN 1980] 617
analysis of water in Heming L. area [BABALUK 1980] MR1575
effects of acidification on mobilization from sediments [SCHINDLER 1980] 601 (614)
experimental study of chemistry in soft-water lakes [JACKSON 1980] 602a (614)
fates of radiotracers added to whole lake: sediment-water interactions [HESSLEIN 1980] 602 (614)
maintenance of Fe meromixis by Fe redeposition [CAMPBELL 1980] 630
- Isolation
biochemical genetic evidence for isolation of lake whitefish [FOOTE 1980] 620b
- Isozymes
dehydrogenase isozymes in *Salvelinus* [CLAYTON 1980] 627
fish cell culture: continuous fibroblastic cell line from walleye [KELLY 1980] 624
splake, a hybrid charr [BERST 1980] 627a
- Jade Lake (NWT)
bathymetric map & hydrometeorological data 1977-80 [DALTON 1981] DR273
- Jolly-Seber estimates
bias & loss of precision due to tag loss in mark-recapture experiments [ARNASON 1981] 669
- Kakisa Lake (NWT)
data on fish [MOSHENKO 1980] DR175
- Kakisa River (NWT)
Arctic grayling sport fishery [FALK 1980] DR199
- Kalamalka Lake (BC)
influence of eutrophication on benthic communities [SAETHER 1980] 632
- Kam Lake (NWT)
experimental studies on effect of As on microbial degradation [BRUNSKILL 1980] 603 (614)
- Kasba Lake (NWT)
data on fish [MOSHENKO 1980] DR175
- Kathawachaga Lake (NWT)
data on fish [MOSHENKO 1980] DR175
- Keewatin District (NWT)
aquatic resources of central region [MacDONALD 1980] 648c
- Koluktoo Bay (NWT)
Arctic charr sport fishery [MOSHENKO 1981] DR306
- La Loche Lake (NWT)
data on fish [MOSHENKO 1980] DR175
- La Martre, Lac (NWT)
data on fish [MOSHENKO 1980] DR175
- Laboratory study of Denil fishways [KATOPODIS 1981] 670a
- Lactate dehydrogenase
fish cell culture: continuous fibroblastic cell line from walleye [KELLY 1980] 624
- Lady Grey Lake (NWT)
data on fish [MOSHENKO 1980] DR175
- Lake acidification
decreased survival & calcium uptake by *Orconectes* [MALLEY 1980] 600 (614)
effects on lakes and fisheries [SCHINDLER 1980] 648n
effects on embryonic development of lake trout [KENNEDY 1980] TR975 646b
effects on growth of periphyton [MULLER 1980] 599 (614)
effects on mobilization of heavy metals from sediments [SCHINDLER 1980] 601 (614)
L.223: background data [SCHINDLER 1980] 598 (614)
teratogenesis in lake trout [KENNEDY 1980] 648
See also: Acid precipitation
- Lake chemistry
experimental study of trace metal chemistry in soft-water lakes [JACKSON 1980] 602a (614)
- Lake morphometry
comment on FEE 1979 [PATALAS 1980] 643a
- Lake water chemistry & Zn toxicity to plankton communities [MARSHALL 1981] 669a
- Landsat
quantitative monitoring of sediment levels from Landsat [CHARGARLAMUDI 1980] 648f
- Larval fish
testing embryonic & larval life stages in fish [MacDONALD 1979] 590n

Larviciding

acute & long term effects of methoxychlor larviciding on aquatic invertebrates [FLANNAGAN 1980] 614b

Lead

analysis of *Myriophyllum* as indicator of contamination [FRANZIN 1980] 617
analysis of water in Heming L. area [BABALUK 1980] MR1575
elevated levels in ice-covered lakes [FRANZIN 1981] 649
fallout, distribution & some effects near base metal smelter [FRANZIN 1980] 644a; [FRANZIN 1981] 656a

Lemna

See: Duckweed

Lepisosteus platostomus

See: Gar, shortnose

Lethal test methods

bibliography of toxicity test methods for aquatic environment [McLEAN 1980] 642

Life histories

Arctic charr [JOHNSON 1980] 626
literature review of life histories of fishes that may be introduced into Hudson Bay watershed [SWAIN 1980] 648a

Light

analysis of response of hypolimnetic phytoplankton [KNOECHEL 1980] 614
continuous culturing of phytoplankton in ELA [DeNOYELLES 1980] 614
testing responsiveness to overhead-light stimulation [SCHERER 1979] 590r

Light extinction in ELA 1979 [SHEARER 1980]

DR189; 1980 [SHEARER 1981] DR259

Limnocoarals

effects of acid & Cd on zooplankton in Shield lake [LAWRENCE 1980] TR975 646d
experimental manipulation of algal bloom composition [BARICA 1980] 623
mechanisms of movement of Hg into aquatic biota [RUDD 1980] 625c

Limnology

Yukon lakes [LINDSEY 1981] TR966

Lipid changes during embryonic development of lake whitefish [YURKOWSKI 1980] 6487**Literature review**

Arctic charr [JOHNSON 1980] 626
fisheries in Mackenzie Delta [CORKUM 1981] MR1613

Literature review of life histories of fishes that may be introduced into Hudson Bay watershed [SWAIN 1980] 648a**Liver**

brain acetylcholinesterase inhibition in rainbow trout [KLAVERKAMP 1980] 637
examination of Cd, Cu, & Hg concentrations in N.pike & sucker near Flin Flon [McFARLANE 1980] 641

Livestock wastes

watershed data on L.Winnipeg [BRUNSKILL 1980] MR1556

Lobocystis dichotoma var. mucosa...new record for L.Tanganyika [KLING 1981] 674**Lockhart Lake (NWT)**

data on fish [MOSHENKO 1980] DR175

Locomotor activity response

testing with ultrasonic beams [SCHERER 1979] 590t

Long term effects of methoxychlor larviciding on aquatic invertebrates [FLANNAGAN 1980] 614b**Lota lota**

See: Burbot

Loss of precision due to tag loss in mark-recapture experiments [ARNASON 1981] 669**Louis Lake (Sask.)**

Cs-137 etc. in fish populations [ELLIOTT 1981] DR293

Lubricant additives

detn of triarylphosphates in fish [MUIR 1980] 641a

Lymphocystis

current status in walleye [KELLY 1980C] 637a

Macdougall Lake (NWT)

data on fish [MOSHENKO 1980] DR175

Mackay River (Alta)

fisheries investigations [MACHNIAK 1980] 629a

Mackenzie Delta

review of fisheries [CORKUM 1981] MR1613

Mackenzie River (NWT)

distribution of Ephemeroptera [COBB 1980] 582
status of sport fisheries in Brabant L.-Beaver L. area [FALK 1980] MR1553

Macroinvertebrate benthos

effects of synthetic crude oil on benthic river communities [LOCK 1981] 654; [LOCK 1981] 655

Macrophytes

See: Aquatic macrophytes, Duckweed

Maggiore, Lake (Italy)

influence of eutrophication on benthic communities [SAETHER 1980] 632

Maguse Lake (NWT)

data on fish [MOSHENKO 1980] DR175
distribution of Ephemeroptera [COBB 1980] 582

Maintenance of Fe meromixis by Fe redeposition [CAMPBELL 1980] 630**Malaren, Lake (Sweden)**

influence of eutrophication on benthic communities [SAETHER 1980] 632

Malate dehydrogenase

fish cell culture: continuous fibroblastic cell line from walleye [KELLY 1980] 624

- Mammawi Lake (Alta)
goldeye [KRISTENSEN 1981] MR1560
- Mammals, Arctic marine
report of workshop [DAVIS 1981] TR1005
- Manganese
analysis of *Myriophyllum* as indicator of contamination [FRANZIN 1980] 617
experimental study of chemistry in soft-water lakes [JACKSON 1980] 602a (614)
- Manipulation
experimental manipulation of algal bloom composition [BARICA 1980] 623
experimental manipulation of whole lakes [SCHINDLER 1981] 675h
- Manitoba
25 year scenario of resource developments [WRIGHT 1980] MR1546
- Manitoba: Department of Fisheries & Oceans, Freshwater Institute (Review of programs) [CAMPBELL 1980] 642a
- Manitoba Online Users Group & directory 1980 [MARSHALL 1980] 616
- Manitoba Online Users Group directory 1981 [MARSHALL 1981] 655a
- Manual for culture of selected freshwater invertebrates [LAWRENCE 1981] 652
- Maple Lake (Ont.)
oxygen depletion [MATHIAS 1979] 591
- Marine mammals, Arctic
report of workshop [DAVIS 1981] TR1005
- Mark-recapture experiments
bias & loss of precision due to tag loss [ARNASON 1981] 669
- Martin Lake (Man.)
morphometry & chemical analysis of water [BABALUK 1980] MR1575
- Maximizing information return from preference & avoidance response data [DE MARCH 1980] TR975 646f
- Maze Lake (NWT)
data on fish [MOSHENKO 1980] DR175
- Measurement of mercury methylation in water & sediments [FURUTANI 1980] 638
- Mechanisms of movement of mercury into aquatic biota [RUDD 1980] 625c
- Mechanisms that maintain population stability of Ephemeroptera [GYSELMAN 1980] 584
- Meliadine Lake (NWT)
data on fish [MOSHENKO 1980] DR175
- Mercury
behavioral reactions of whitefish to food extract [KAMCHEN 1980] TR975 646g
Cd & Hg stress in plankton of L.382 [MARSHALL 1981] 672a
- concentrations in N.pike & sucker near Flin Flon [McFARLANE 1980] 641
contaminants in analysis [LUTZ 1980] TR975 646h
discussion, with tentative conclusions...Hg in Wabigoon system [JACKSON 1980] 625b
dynamics of Se in Hg contaminated ecosystems [RUDD 1980] 621
effects of acidification on mobilization from sediments [SCHINDLER 1980] 601 (614)
effects on fish [ARMSTRONG 1979] 580
experimental study of chemistry in soft-water lakes [JACKSON 1980] 602a (614)
fates of radiotracers added to whole lake: sediment-water interactions [HESSLEIN 1980] 601 (614)
induced tolerance to Cd in white suckers [DUNCAN 1980] TR975 646e
introduction: problem of Hg pollution in Wabigoon-English R. system [JACKSON 1980] 625a
mechanisms of movement into aquatic biota [RUDD 1980] 625c
- Mercury levels in lakes on Churchill-Rat-Burntwood & Nelson R. system 1970-79 [McGREGOR 1980] DR195
- Mercury, methylation
measurement in water & sediments [FURUTANI 1980] 638
- Mercury methylation by fish intestinal contents [RUDD 1980] 634
- Meretta Lake (NWT)
oxygen depletion [MATHIAS 1979] 591
- Mergazzo, Lake (Italy)
influence of eutrophication on benthic communities [SAETHER 1980] 632
- Meridian Lake (NWT)
data on fish [MOSHENKO 1980] DR175
- Meromixis
maintenance of iron meromixis by iron redeposition [CAMPBELL 1980] 630
- Mesh regulations
commercial fishery for lake whitefish on Gt Slave L. 1979 [MOSHENKO 1980] DR194
- Metal contamination
analysis of *Myriophyllum* as indicator of [FRANZIN 1980] 617
some pitfalls in using fish tissues as indicators of [FRANZIN 1980] TR975 646i
- Metal radiotracers
fates of, added to whole lake: sediment-water interactions [HESSLEIN 1980] 601 (614)
- Metal smelter
elevated Zn, Cd & Pb in ice-covered lakes [FRANZIN 1981] 649
fallout, distribution & some effects of Zn etc. near [FRANZIN 1980] 644a
- Metal, trace
contaminants in analysis [LUTZ 1980] TR975 646h
experimental study of chemistry in soft-water lakes [JACKSON 1980] 602a (614)

Meteorological data

- ELA 1969-78 [BEATY 1981] DR285
 Saqvaquac 1977-80 [DALTON 1981] DR273

Methane

- comparison of in situ & in vitro rates of release [KELLY 1980] 628
 methanogenesis: measure of heterotrophic activity in anaerobic lake [KELLY 1979] 581
 whole-lake model for distribution of sediment-derived chemical species [HESSLEIN 1980] 613 (614)

Methane addition to Arctic lake in winter [WELCH 1980] 576

Methane cycling in aquatic environments [RUDD 1980] 639a

Methane Lake (NWT)
 methane addition in winter [WELCH 1980] 576

Methane oxidation in L. Tanganyika [RUDD 1980] 633

Methanogenesis: measure of heterotrophic activity in anaerobic lake [KELLY 1979] 581

Methoprene

- studies on dissipation from ponds [MADDER 1980] 593

Methoxychlor

- effects of larviciding on aquatic invertebrates [FLANNAGAN 1980] 614a; [FLANNAGAN 1980] 614b
 influence of formulation on toxicity of [SEBASTIEN 1981] 657; [SEBASTIEN 1980] 614d

Methoxychlor studies with fish: Athabasca R. [LOCKHART 1980] 614c

Methylation, of Hg

- by fish intestinal contents [RUDD 1980] 634
 measurement of, in water & sediments [FURUTANI 1980] 638

Methylisoborneol

- cause of muddy odor [YURKOWSKI 1980] 636

Methylmercury

- dynamics of Se in Hg contaminated ecosystems [RUDD 1980] 621
 mechanisms of movement into aquatic biota [RUDD 1980] 625c

Michigan, Lake

- dynamics of Cd-stressed plankton communities [MARSHALL 1980] 614
 influence of eutrophication on benthic communities [SAETHER 1980] 632
 lake water chemistry & Zn toxicity to plankton communities [MARSHALL 1981] 669a

Microbial benthos

- effects of synthetic crude oil on benthic river communities [LOCK 1981] 654; [LOCK 1981] 655

Microbial degradation

- experimental studies on effect of As on [BRUNSKILL 1980] 603 (614)

Microbial predator-prey test system [LAWRENCE 1979] 590h

Microcosms

- continuous culturing of phytoplankton in ELA [DeNOVELLES 1980] 614

Microcystis aeruginosa

- some biological characteristics of plains aquatic ecosystems [BARICA 1980] 620

Micro-extraction & cleanup techniques for detn chlorinated hydrocarbons in fish [SOLOMON 1981] 673b

Micro-extraction & gas chromatographic analyses of petroleum hydrocarbons [MURRAY 1981] 673c

Micro-extraction & gas chromatographic analysis of hydrocarbons [MURRAY 1981] 668

Migrations

- fish population in Peace-Athabasca Delta & effects of water control [KRISTENSEN 1981] DR61
 investigations of goldeye in Wood Buffalo National Park [KRISTENSEN 1981] MR1560
 pre- & post-spawning movements of walleye in S. Indian L. [BODALY 1980] TR931
 survey of fish resources of Gt Bear R. [CHANG-KUE 1980] MR1510

Migratory fish

- considerations in design of fishways for freshwater species [KATOPODIS 1981] 649a

Mining

- 25 year scenario of resource developments in prairie Provinces & NWT [WRIGHT 1980] MR1546

Minnows

- preliminary experiments on growth of walleye fingerlings [LI 1981] TR104

Minnows, fathead

- fate of fenitrothion in small ponds [MALIS 1980] 641b

Missouri River watershed

- literature review of life histories of fishes that may be introduced into Hudson Bay watershed [SWAIN 1980] 648a

Mobilization

- effects of acidification on mobilization of heavy metals from sediments [SCHINDLER 1980] 601 (614)

Models

- important factors for estimating annual phytoplankton production [FEE 1980] 609 (614)
 whole-lake model for distribution of sediment-derived chemical species [HESSLEIN 1980] 613 (614)

Mollusca

- See: *Helisoma trivolvis*

Molt cycle

- Orconectes in low pH [MALLEY 1980] 600 (614)

Molybdenum blue

- errors in molybdenum blue methods for orthophosphate [STANTON 1980] 606 (614)

Monimolimnion

- maintenance of iron meromixis by iron redepo-

- sition [CAMPBELL 1980] 630
- Monitoring
quantitative monitoring of sediment levels from Landsat [CHARGARLAMUDI 1980] 648f
state of the art of environmental contaminant level monitoring [UTHE 1981] 675k
- Monod equation
slope as indicator of advantage in nutrient competition [HEALEY 1980] 578
- Moose Lake (Ont.)
oxygen depletion [MATHIAS 1979] 591
- Morphology
Arctic charr [JOHNSON 1980] 626
splake, a hybrid charr [BERST 1980] 627a
- Morphometry, hydrology & watershed data on L. Winnipeg [BRUNSKILL 1980] MR1556
- Morphometry of lakes & chemical analysis of water in Heming L. area [BABALUK 1980] MR1575
- Mortality
preliminary experiments on growth of walleye fingerlings [LI 1981] TR1041
- Mortality test, multigeneration
use of *Helisoma* [FLANNAGAN 1979] 590c
- Mosquito control agents
studies on dissipation of diflubenzuron & methoprene from ponds [MADDER 1980] 593
- Mosquito Creek (NMT)
data on walleye & other fish spp. [FALK 1980] DR186
walleye sport fishery [FALK 1980] MR1559
- Movement
mechanisms of movement of Hg into aquatic biota [RUDD 1980] 625c
persistence & movement of cyanazine & pro-cyazine in soil [YOO 1981] 662a
- Muddy odor
geosmin & 2-methylisoborneol, cause of [YURKOWSKI 1980] 636
- Multiple linear regression
further considerations of time trend detns [SCOTT 1981] 675j
- Murchison Lake (NMT)
distribution of Ephemeroptera [COBB 1980] 582
- Muskeg River (Alta)
ecological studies of aquatic invertebrates [BARTON 1980] 624a
effects of synthetic crude oil on benthic communities [LOCK 1981] 654; [LOCK 1981] 655
- Myriophyllum exalbescens*
indicator of metal contamination [FRANZIN 1980] 617
- Nahanni Glacial Refuge
biochemical genetic evidence for isolation of lake whitefish [FOOTE 1980] 620b
- Nature of streams [NEUBURY 1980] 634
- Nelson River system (Man.)
Hg levels [McGREGOR 1980] DR195
- Neoplasm
fish cell culture: continuous fibroblastic cell line from walleye [KELLY 1980] 624
- Nesootao Lake (Sask.)
analysis of *Myriophyllum* as indicator of metal contamination [FRANZIN 1980] 617
Cd, Cu, & Hg concentrations in N. pike & sucker [McFARLANE 1980] 641
- Neurotoxicity
electrophysiological test for neurotoxicity in fish [HARA 1979] 590f
- New herpes-like virus (HLV) of fish [KELLY 1980] 616a
- New name for *Oligeria* [SAETHER 1980] 645
- New species of *Paracricotopus* [SAETHER 1980] 640
- Niclosamide
detn in water & sediment [MUIR 1980] 629
- Ninth annual workshop on the chemistry and biochemistry of herbicides, 16th annual workshop on pesticide residue analysis [MUIR 1981] 673a
- Nitrogen
detritification in L. 227 during summer stratification [CHAN 1980] 614
effect of fertilization on eutrophication of experimental lakes [SCHINDLER 1980] 643b
effects of windstorm & forest fire on chemical losses from watershed [SCHINDLER 1980] 596 (614)
experimental manipulation of algal bloom composition [BARICA 1980] 623
interrelationships between cycles of elements in freshwater ecosystems [SCHINDLER 1981] 675b
physiological indicators of nutrient deficiency in phytoplankton [HEALEY 1980] 604 (614)
reply to comments by Patalas & Schindler [FEE 1980] 643c
- Nitrogen-15
comparison of uptake & acetylene reduction methods for estimation N fixation [GRAHAM 1980] 607a (614)
N fixation in Canadian Precambrian Shield lakes [FLETT 1980] 608 (614)
- Nitrogen fixation in Canadian Precambrian Shield lakes [FLETT 1980] 608 (614)
- Nonacho Lake (NMT)
data on fish [MOSHENKO 1980] DR175
- North Henik Lake (NMT)
data on fish [MOSHENKO 1980] DR175
- Northern Canada
aquaculture potential [AYLES 1980] 648f
distribution of Ephemeroptera [COBB 1980] 582
- Northern Indian Lake (Man.)
Hg levels [McGREGOR 1980] DR195

Northwest Territories

- biological data on fish from 59 lakes
[MOSHENKO 1980] DR175
- 25 year scenario of resource developments
[WRIGHT 1980] MR1546

Norwegian lakes

- chironomid communities [RADDUM 1981] 672

Notropis

- atheroides See: Shiner, emerald
- hudsoni See: Shiner, spottail

Nueltin Lake (NMT)

- data on fish [MOSHENKO 1980] DR175

Nuphar variegatum

- indicator of metal contamination [FRANZIN 1980] 617

Nursery ponds

- growth & survival of walleye in rearing ponds near L. Winnipegosis [CAMPBELL 1980] TR949

Nutrient competition

- slope of Monod equation as indicator of advantage in [HEALEY 1980] 578

Nutrient deficiency

- physiological indicators in phytoplankton [HEALEY 1980] 604 (614)

Nutrient enrichment

- experimental manipulation of algal bloom composition [BARICA 1980] 623
- hypolimnion injection of nutrient effluents to reduce eutrophication [SCHINDLER 1980] 595 (614)

Nutrient supply

- watershed data on L. Winnipeg [BRUNSKILL 1980] MR1556

Oblong Lake (Ont.)

- oxygen depletion [MATHIAS 1979] 591

Odonata

- ecological studies in AOSERP study area [BARTON 1980] 624a

Odor, muddy

- geosmin & 2-methylisoborneol as cause of [YURKOWSKI 1980] 636

OECD chemicals testing programme [SCHERER 1980] 648a

Offshore hydrocarbon development

- report of workshop on Arctic marine mammals [DAVIS 1981] TR1005

Oil contamination

- ecological studies of aquatic invertebrates of AOSERP study area [BARTON 1980] 624a
- effects on benthic river communities [LOCK 1981] 654; [LOCK 1981] 655
- effects on Ephemeroptera in Trail R., NMT [ROSENBERG 1980] 585

Oil industry

- 25 year scenario of resource developments in Prairie Provinces & NMT [WRIGHT 1980] MR1546

Oil sand exposure

- ecological studies of aquatic invertebrates of AOSERP study area [BARTON 1980] 624a

Okanagan Lake (BC)

- influence of eutrophication on benthic communities [SAETHER 1980] 632

Olfaction

- accumulation of chemostimulatory amino acids by fraction from olfactory rosettes of rainbow trout [BROWN 1981] 663
- behavioral & electrophysiological studies in fish [HARA 1981] 668a
- behavioral reactions of whitefish to food extract [KAMCHEN 1980] TR975 646g
- electrophysiological & biochemical properties of olfactory receptors [HARA 1980] 648e
- histochemical test for olfactory function in fish [EVANS 1979] 590b
- structure activity relationships of olfactory stimulants [HARA 1981] 675e

Oligochaeta

- ecological studies in AOSERP study area [BARTON 1980] 624a
- influence of eutrophication on deep lake benthic communities [SAETHER 1980] 632

Oligotrophic lake

- whole-lake radiocarbon experiment at ELA [MESSLEIN 1980] 605 (614)

Oligotrophication hypothesis

- experimental acidification of a whole lake [SCHINDLER 1980] 647

Oliveria

- new name for [SAETHER 1980] 645

Omisus pica

- female genitalia [SAETHER 1980] 615

Oncorhynchus kisutch

- See: Salmon, coho

Online computer retrieval of information on Ephemeroptera [MARSHALL 1980] 587

Online data bases

- errors noted [MARSHALL 1980] 618

Online Users Group

- Manitoba Online Users Group & directory 1980 [MARSHALL 1980] 616
- online directory 1981 [MARSHALL 1981] 655a

Opachuanau Lake (Man.)

- Hg levels [McGREGOR 1980] DR195

Opeongo Lake (Ont.)

- comparison of fin-ray & scale age for lake whitefish [MILLS 1980] 611 (614)

Optomotor response test [SCHERER 1979] 590s

Orconectes virilis

- calcium uptake: sublethal test [WALLEY 1979] 590p
- culture [LEONHARD 1981] 652g
- decreased survival & calcium uptake in low pH [WALLEY 1979] 600 (614)
- dynamics of Se in Hg contaminated ecosystems [RUDD 1980] 621
- toxicity tests [LEONHARD 1979] 590i

Organic contaminants

- analysis of headspace gases for volatile organic contaminants [MURRAY 1980] 577

Organic matter
experimental studies on effect of As on micro-
bial degradation [BRUNSKILL 1980] 603 (614)

Organic pollutants
effect of water chemistry on uptake by fish
[MUIR 1980] TR975 646a

Organoleptic properties
cause of muddy odor [YURKOWSKI 1980] 636

Organophosphorus insecticides
effects on chlorophyll *a* of standing ponds
[PAPST 1980] 620a
persistence [HUGHES 1980] 662a

Orthophosphate
errors in molybdenum blue methods [STANTON
1980] 606 (614)
radiochemical analysis of concentrations in 2
Shield lakes [LEVINE 1980] 607 (614)

Osmerus mordax
See: Smelt, rainbow

Osmoregulation
evaluation of Cd toxicity to function in rain-
bow trout [GILES 1980] TR975 646c

Osoyoos Lake (BC)
influence of eutrophication on benthic com-
munities [SAETHER 1980] 632

Overhead-light stimulation
testing responsiveness to [SCHERER 1979] 590r

Oxidation of methane in L.Tanganyika [RUDD 1980]
633

Oxygen depletion
experimental manipulation of algal bloom com-
position [BARICA 1980] 623
factors controlling, in ice-covered lakes
[MATHIAS 1979] 591
relationship between thermal stability & sum-
mer oxygen depletion in pothole lake [PAPST
1980] 635

Oxygen test, residual [GILES 1979] 590e

Oxygenation characteristics of polymorphic hemo-
globins of coho salmon [GILES 1980] 592

P & N Lake (NWT)
bathymetric map & hydrometeorological data
1977-80 [DALTON 1981] DR273

Paddlefish
literature review of life history [SWAIN 1980]
648a

Paddling the historic Hayes River [NEUBURY 1981]
657b

Paracricotopus
females & immatures [SAETHER 1980] 640

PCBs
further considerations of time trend detns
[SCOTT 1981] 675j

Peace-Athabasca Delta
fish populations in, & effects of water con-
trol [KRISTENSEN 1981] DR61

investigations of goldeye [KRISTENSEN 1981]
MR1560

Pelly Bay (NWT)
biological assessment of Arctic char
[KRISTOFFERSON 1982] MR1591

Perca flavescens
See: Perch, yellow

Perch, yellow
Hg methylation by fish intestinal contents
[RUDD 1980] 634
pre- & post-impoundment fish catches S.Indian
L. 1972-79 [BODALY 1980] DR201

Percopsis omiscomaycus
See: Trout-perch

Performance, economic
commercial skiff fishery in W.Canada [THOMPSON
1981] TR1037

Periphyton
effects of artificial acidification on growth
[MULLER 1980] 599 (614)

Permafrost
hydrometeorological data from Saqvaqujac 1977-
80 [DALTON 1981] DR273

Persistence & movement of cyanazine & procymazine
in soil [YOO 1981] 662a

Persistence of fluridone in small ponds [MUIR
1980] 579

Persistence of three organophosphorus insecti-
cides [HUGHES 1980] 622a

Pesticide residue analysis
16th annual workshop on [MUIR 1981] 673a

Pesticides
effect of water chemistry on uptake of organic
pollutants by fish [MUIR 1980] TR975 646a
influence of formulation on toxicity of
methoxychlor [SEBASTIEN 1981] 657
uptake by fish [LOCKHART 1980] 646j

Peter Lake (NWT)
data on fish [MOSHENKO 1980] DR175

Petroleum hydrocarbons
microextraction & gas chromatographic analysis
[MURRAY 1981] 668; [MURRAY 1981] 637c

pH
decreased survival & calcium uptake by
Orconectes in low [MALLEY 1980] 600 (614)
experimental study of trace metal chemistry in
soft-water lakes [JACKSON 1980] 602a (614)

pH, change
effects on phytoplankton in L.223 as result of
lowering pH [FINDLAY 1980] MR1585
response of zooplankton [MALLEY 1980] 648j

Phenotypic comparison
dehydrogenase isozymes in *Salvelinus* [CLAYTON
1980] 627

Phaeopigments
effects of 2 organophosphorus insecticides on

- chlorophyll a of standing ponds [PAPST 1980] 620a
- Phosphate determination
errors in molybdenum blue methods for orthophosphate [STANTON 1980] 606 (614)
- Phosphate esters
environmental dynamics of phosphate esters [MUIR 1980] 639; [MUIR 1981] 673
- Phosphorus
analysis of response of hypolimnetic phytoplankton to light & P [KNOECHEL 1980] 611
continuous culturing of phytoplankton in ELA [DeNOVELLES 1980] 614
effect of fertilization on eutrophication of experimental lakes [SCHINDLER 1980] 643b
effects of windstorm & forest fire on chemical losses from watershed [SCHINDLER 1981] 596 (614)
interrelationships between cycles of elements in freshwater ecosystems [SCHINDLER 1981] 675b
physiological indicators of nutrient deficiency in phytoplankton [HEALEY 1980] 604 (614)
radiochemical analysis of orthophosphate concentrations in 2 Shield lakes [LEVINE 1980] 607 (614)
reply to comments by Patalas & Schindler [FEE 1980] 643c
- Photosynthesis
haptobenthic photosynthesis [TURNER 1981] 675m
- Photosynthetic uptake
gas exchange, photosynthetic uptake & carbon budget for enclosure in stratified lake [BOWER 1980] 614
- Phylogeny
Cardiocladius group [SAETHER 1981] 665
- Physiological indicators of nutrient deficiency in phytoplankton [HEALEY 1980] 604 (614)
- Phytoplankton
analysis of response of hypolimnetic phytoplankton to light & P [KNOECHEL 1980] 614
Cd & Hg stress in plankton of L.382 [MARSHALL 1981] 672a
continuous culturing in ELA [DeNOVELLES 1980] 614
dynamics of Cd-stressed communities [MARSHALL 1980] 614
effects in L.223 as result of lowering pH [FINDLAY 1980] NR1505
important factors for estimating annual production [FEE 1980] 609 (614)
persistence of 3 organophosphorus insecticides [HUGHES 1980] 622a
physiological indicators of nutrient deficiency in [HEALEY 1980] 604 (614)
relationships between dipteran emergence & production in ELA [DAVIES 1980] 610 (614)
seasonal successions of, 1977-79 [FINDLAY 1981] NR1627
- Phytoplankton of euphotic zone of L.Tanganyika [HECKY 1981] 661
- Phytoplankton primary production, chlorophyll & suspended C in ELA 1979 [DeCLERCQ 1980] DR200; 1980 [DeBRUYN 1981] DR260
- Phytotoxicity tests using duckweed [LOCKHART 1979] 5901
- Pike, northern
Athabasca R. [BOND 1980] 621a
Brabant I.-Beaver L. area of Mackenzie R. [FALK 1980] NR1553
central Keewatin region [MacDONALD 1980] 648c
Cs-137...in fish ...[ELLIOTT 1981] DR293
examination of Cd, Cu, & Hg concentrations from near Flin Flon [McFARLANE 1980] 641
geosmin & 2-methylisoborneol, cause of muddy odor [YURKOWSKI 1980] 636
Gt Bear R. [CHANG-KUE 1980] NR1510
Mackay R. watershed [MACHNIAK 1980] 629a
mercury levels in lakes on Churchill-Rat-Burntwood & Nelson R. systems 1970-79 [McGREGOR 1980] DR195
mercury methylation by fish intestinal contents [RUDD 1980] 634
methoxychlor studies with fish: Athabasca R. [LOCKHART 1980] 614c
Mosquito Creek 1973-78 [FALK 1980] DR186
Peace-Athabasca Delta & effects of water control [KRISTENSEN 1981] DR61
S.Indian L., pre- & post-impoundment catches [BODALY 1980] DR201
- Pimephales promelas
See: Minnow, Fathead
- Pine Lake (Ont.)
oxygen depletion [MATHIAS 1979] 591
- Pipeline construction
responses of Chironomidae to sediment additions in Harris R. [ROSENBERG 1980] 656
- Pipelines
25 year scenario of resource developments in Prairie Provinces & NWT [WRIGHT 1980] NR1546
- Pitz Lake (NWT)
distribution of Ephemeroptera [COBB 1980] 582
- Plains aquatic ecosystems
some biological characteristics [BARICA 1980] 620
- Plankton
Cd & Hg stress in L.382 [MARSHALL 1981] 672a
dynamics of Cd-stressed communities [MARSHALL 1980] 614
lake water chemistry & Zn toxicity to communities [MARSHALL 1981] 669a
spatial structure of crustacean community in L.Winnipeg [PAPST 1981] 671
- Plants, aquatic
data of terbutryn & degradation products [MUIR 1980] 625
- Platygebio gracilis
See: Chub, Flathead
- Plecoptera
acute & long term effects of methoxychlor larviciding [FLANNAGAN 1980] 614b
ecological studies in ADSERP study area [BARTON 1980] 624a
effects of experimental injection of methoxychlor [FLANNAGAN 1980] 614a

- head cholinesterase as indicator of exposure to fenitrothion [FLANNAGAN 1981] 659
influence of formulation of toxicity of methoxychlor [SEBASTIEN 1981] 657
- Pollutants, organic
effect of water chemistry on uptake by fish [MUIR 1980] TR975 646a
- Pollution
selection of biochemical techniques for detection of sublethal effects [UTHE 1980] 633a
some pitfalls in using fish tissues as indicators of metal concentrations [FRANZIN 1980] TR975 646i
- Pollution and Ephemeroptera bibliography [MARSHALL 1980] 587
- Polypedilum (*Tripodura pardus*)
female genitalia [SAETHER 1980] 615
- Polyodon spathula
See: Paddlefish
- Ponds
effects of 2 organophosphorus insecticides on chlorophyll a [PAPST 1980] 620a
fate of fenitrothion [MALIS 1980] 641b
fate of terbutryn [MUIR 1981] 670
growth, survival & distribution of stocked *Gammarus* [MATHIAS 1981] TR989
growth & survival of walleye near L. Winnipegosis [CAMPBELL 1980] TR949
investigation of feeding habits of walleye fingerlings [LI 1981] TR1040
persistence of fluridone [MUIR 1980] 579
persistence of 3 organophosphorus insecticides [HUGHES 1980] 622a
preliminary experiments on growth of walleye fingerlings [LI 1981] TR1041
recommendations for pond culture in El Salvador [DAVIES 1980] 648s
studies on dissipation of diflubenzuron & methoprene in [MADDER 1980] 593
- Population dynamics
Arctic charr [JOHNSON 1980] 626
- Population estimates
bias & loss of precision due to tag loss in mark-recapture experiments [ARNASON 1981] 669
- Population stability
mechanisms that maintain population stability of Ephemeroptera [GYSELMAN 1980] 584
- Populations, fish
Peace-Athabasca Delta & effects of water control [KRISTENSEN 1981] DR61
- Porcupine River (Yukon)
distribution of Ephemeroptera [COBB 1980] 582
- Pore water diffusion coefficients
in situ measurements of [HESSLEIN 1980] 612 (614)
- Post-impoundment changes in commercial fishing of lake whitefish in S. Indian L. [BODALY 1980] MR1555
- Post-impoundment fish catches S. Indian L. 1972-79 [BODALY 1980] DR201
- Post-spawning movements
walleye in S. Indian L. [BODALY 1980] TR931
- Postmolt Ca uptake
Orconectes in low pH [MALLEY 1980] 600 (614)
- Potassium
effects of windstorm & forest fire on losses from watershed [SCHINDLER 1980] 596 (614)
- Potassium-40
in fish populations from lakes [ELLIOTT 1981] DR293
- Power plants
recent trends in environmental impact assessment [ROSENBERG 1981] 658
- Prairie lakes
experimental manipulation of algal bloom composition [BARICA 1980] 623
some biological characteristics of plains aquatic ecosystems [BARICA 1980] 620
- Prairie ponds
studies on dissipation of diflubenzuron & methoprene [MADDER 1980] 593
- Prairie Provinces
25 year scenario of resource developments [WRIGHT 1980] MR1546
- Pre- & post-impoundment fish catches S. Indian L. 1972-79 [BODALY 1980] DR201
- Pre- & post-spawning movements of walleye in S. Indian L. [BODALY 1980] TR931
- Precambrian Shield
fallout, distribution & some effects of Zn etc. near base metal smelter [FRANZIN 1980] 644a
- Precambrian Shield lakes
Cd & Hg stress in plankton of L. 382 [MARSHALL 1981] 672a
N fixation in Canadian Precambrian Shield lakes [FLETT 1980] 608 (614)
response of zooplankton to whole lake chemical modifications [MALLEY 1980] 648j
See also: Experimental Lakes Area
- Precision
bias & loss of precision due to tag loss in mark-recapture experiments [ARNASON 1981] 669
- Predator-prey test system
microbial test system [LAWRENCE 1979] 590h
- Preference & avoidance responses
maximizing information return from data [DE MARCH 1980] TR975 646f
- Preliminary assessment of Arctic charr fishery of Robertson R. 1979 [MOSHENKO 1981] DR306
- Preliminary experiments on growth of walleye fingerlings [LI 1981] TR1041
- Primary production
analysis of response of hypolimnetic phytoplankton to light & P [KNOECHEL 1980] 614
comment on FEE 1979 [PATALAS 1980] 643a

- depression of, by humic matter [JACKSON 1980] 648g
important factors for estimating annual phytoplankton production [FEE 1980] 609 (614)
phytoplankton primary production, chlorophyll & suspended C in ELA 1979 [DeCLERCQ 1980] DR200; 1980 [DeBRUYN 1981] DR260
relationships between dipteran emergence & phytoplankton production in ELA [DAVIES 1980] 610 (614)
relationships between primary & fish production in L.Tanganyika [HECKY 1980] 662
some biological characteristics of plains aquatic ecosystems [BARICA 1980] 620
whole-lake radiocarbon experiment at ELA [HESSLEIN 1980] 605 (614)
- Primary production & algal growth in L.Tanganyika [HECKY 1981] 660
- Principles of compatible hydroelectric design [NEUBURY 1981] 675f
- Proceedings, 16th annual workshop on pesticide residue analysis [MUIR 1981] 673a
- Proceedings, workshop on hypertrophic ecosystems [BARICA 1980] 645a
- Proceedings, 6th annual aquatic toxicity workshop, 1979 [KLAVERKAMP 1980] TR975
- Procyazine
persistence & movement in soil [YOO 1981] 662a
- Production
preliminary experiments on growth of walleye fingerlings [LI 1981] TR1041
relationships between primary & fish production in L. Tanganyika [HECKY 1980] 662
urine production in *Hemigrapsus nudus* [DEHNEL 1980] 648b
- Profundal Trichoptera
L.Winnipeg [FLANNAGAN 1981] 675
- Programs & Projects
biennial report 1976-78 [SCOTT 1981] TR1019
Freshwater Institute (Review of programs) [CAMPBELL 1980] 642a
- Prosopium
cylindraceum See: Whitefish, round
williamsoni See: Whitefish, mountain
- Protista
Tetrahymena vorax culture [LAWRENCE 1981] 652a
- Protozooplankton
L.Tanganyika [HECKY 1981] 661
- Publications
biennial report 1976-78 [SCOTT 1981] TR1019
Freshwater Institute (Review of programs) [CAMPBELL 1980] 642a
index to staff publications 1978-79 [MARSHALL 1981] TR992
- Quadracoccus ellipticus
new record for L.Tanganyika [KLING 1981] 674
- Quantitative monitoring of sediment levels from Landsat [CHARGARLANUDI 1980] 648f
- Queen Maud Gulf rivers (NWT)
aquatic resources [MacDONALD 1980] 648c
- Questionnaire survey of sport fishing in Yellowknife area, 1979 [FALK 1981] MR1584
- Quigly Lake (Man.)
morphometry & chemical analysis of water [BABALUK 1980] MR157
- Quoich River (NWT)
aquatic resources [MacDONALD 1980] 648c
- Radioactive elements
in fish populations from lakes [ELLIOTT 1981] DR293
- Radioactive tracer experiments
vertical diffusion rates detn [QUAY 1980] (614)
- Radiocarbon addition
gas exchange, photosynthetic uptake & C budget for enclosure in stratified lake [BOWER 1980] 614
whole-lake radiocarbon experiment at ELA [HESSLEIN 1980] 605 (614)
- Radiochemical analysis of orthophosphate concentrations in 2 Shield lakes [LEVINE 1980] 607 (614)
- Radiochemical technique
environmental dynamics of phosphate esters [MUIR 1980] 639
measurement of Hg methylation in water & sediments [FURUTANI 1980] 638
- Radioisotope additions
mechanisms of movement of Hg into aquatic biota [RUDD 1980] 625c
- Radionuclides
effects of acidification on mobilization of heavy metals from sediments [SCHINDLER 1980] 601 (614)
- Radiotracers
fates of metal radiotracers added to whole lake: sediment-water interactions [HESSLEIN 1980] 602 (614)
- Radium-226
in fish from lakes [ELLIOTT 1981] DR293
whole-lake radiocarbon experiment at ELA [HESSLEIN 1980] 605 (614)
- Radon-222
whole-lake radiocarbon experiment at ELA [HESSLEIN 1980] 605 (614)
- Rapeseed Oil
effect in fish diet [YURKOWSKI 1981] 675n
- Rat Lake (Man.)
Hg levels [McGREGOR 1980] DR195
- Rat River (Man.)
mechanisms that maintain population stability of Ephemeroptera [GYSELMAN 1980] 584

- Rat River system (Man.)
Hg levels [McGREGOR 1980] DR195
- Rates of algal growth
L.Tanganyika [HECKY 1981] 660
- Rates of methane release
in situ & in vitro comparison [KELLY 1980]
628
- Rearing ponds
growth & survival of walleye near L.Winnipeg-
osis [CAMPBELL 1980] TR949
- Recent trends in environmental impact assessment
[ROSENBERG 1981] 658
- Receptors, olfactory
electrophysiological & biochemical properties
[HARA 1980] 648e
- Recirculation units
combination solar collector with recirculation
units in fish culture [AYLES 1980] 648h
- Recommendations for pond culture in El Salvador
[DAVIES 1980] 648s
- Recreation
recent trends in environmental impact assess-
ment [ROSENBERG 1981] 658
- Recreational fisheries
valuation of [CAUVIN 1980] 631
- Redox reactions
maintenance of Fe meromixis by Fe redeposition
[CAMPBELL 1980] 630
- Redrock Lake (NWT), biological data on fish
[MOSHENKO 1980] DR175
- Regional reports: Manitoba [MARSHALL 1980] 619
- Regression analysis
maximizing information return from preference
& avoidance response data [DE MARCH 1980]
TR975 646f
- Reid Lake (NWT)
data on fish [MOSHENKO 1980] DR175
- Relation between lake morphometry & primary pro-
ductivity
comment on FEE 1979 [PATALAS 1980] 643a
- Relationship between thermal stability & summer
oxygen depletion in pothole lake [PAPST 1980]
635
- Relationships between dipteran emergence &
phytoplankton production in ELA [DAVIES 1980]
610 (614)
- Relationships between primary & fish production
in L.Tanganyika [HECKY 1980] 662
- Reidan
persistence [HUGHES 1980] 622a
- Remote sensing
quantitative monitoring of sediment levels
from Landsat [CHARGARLAHUDI 1980] 648f
- Reply to comments by Patalas & Schindler [FEE
1980] 643c
- Report, biennial, 1976-78 [SCOTT 1981] TR1019
- Report of workshop on Arctic marine mammals
[DAVIS 1981] TR1005
- Reproduction
Arctic charr [JOHNSON 1980] 626
brine shrimp as laboratory bioassay organism
[LEONHARD 1980] 648d
Daphnia magna [LEONHARD 1979] 590j
goldeye in Wood Buffalo National Park
[KRISTENSEN 1981] MR1560
splake, a hybrid charr [BERST 1980] 627a
- Research to support development of water quality
guidelines [SCHERER 1980] 648t
- Reservoirs
depression of primary productivity by humic
matter [JACKSON 1980] 648g
post-impoundment changes in commercial fishing
of lake whitefish in S.Indian L. [BODALY
1980] MR1555
pre- & post-impoundment fish catches S.Indian
L. 1972-79 [BODALY 1980] DR201
pre- & post-spawning movements of walleye in
S.Indian L. [BODALY 1980] TR931
sampling emerging Chironomidae with submerged
funnel traps in S.Indian L. [ROSENBERG 1980]
622; [ROSENBERG 1980] 648p
water budgets for S.Indian L. 1972-79
[McCULLOUGH 1981] MR1620
- Residual oxygen test [GILES 1979] 590e
- Resolute Lake (NWT)
oxygen depletion [MATHIAS 1979] 591
- Resource developments
25 year scenario of, in Prairie Provinces &
NWT [WRIGHT 1980] MR1546
- Resources, aquatic
central Keewatin region [MacDONALD 1980] 648c
- Respiration
factor controlling oxygen depletion in ice-
covered lakes [MATHIAS 1979] 591
- Respiratory responses
cardiovascular-respiratory responses of rain-
bow trout to cadmium [MAJEWSKI 1981] 667
testing effects in fish [MAJEWSKI 1979] 590o
- Response of hypolimnetic phytoplankton to light
& P, analysis of [KNOECHEL 1980] 614
- Response to overhead-light stimulation
testing [SCHERER 1979] 590r
- Response of zooplankton to whole lake chemical
modifications [MALLEY 1980] 648j
- Responses of Chironomidae to sediment additions
in Harris R. [ROSENBERG 1980] 656
- Responses of lake whitefish to whole-lake ferti-
lization [MILLS 1981] 675g
- Review
culvert fish passage methods [KATOPODIS 1981]
675d

- effects of Hg compounds on fish [ARMSTRONG 1979] 580
fisheries of Mackenzie Delta [CORKUM 1981] MR1613
methane cycling in aquatic environments [RUDD 1980] 639a
- Riding Mountain National Park (Man.)
nature of streams [NEWBURY 1980] 634a
- River benthic communities
effects of synthetic crude oil [LOCK 1981] 654; [LOCK 1981] 655
- River of spirits [NEWBURY 1981] 657a
- River water
effect of chemistry on uptake of organic pollutants by fish [MUIR 1980] TR975 646a
- Rivett Lake (NMT)
data on fish [MOSHENKO 1980] DR175
- Robertson River (NMT)
Arctic charr sport fishery [MOSHENKO 1981] DR306
- Rockwood Experimental Hatchery (Man.)
growth, survival & distribution of *Gammarus* stocked into ponds [MATHIAS 1981] 1989
investigation of feeding habits of walleye fingerlings [LI 1981] TR1040
preliminary experiments on growth of walleye fingerlings [LI 1981] TR1041
- Roddy Lake (Ont.)
teratogenesis in lake trout [KENNEDY 1980] 648
- Roseau River (Man.)
diel emergence patterns of mayflies [FRIESEN 1980] 583
- Ross Lake (NMT)
data on fish [MOSHENKO 1980] DR175
- Rotifera
effects of acid & Cd in Shield lake [LAWRENCE 1980] TR975 646d
lake water chemistry & Zn toxicity [MARSHALL 1981] 669a
seasonal variations in ELA 382 [MELLINGER 1980] 622b
3-year study of effects of enclosure [MELLINGER 1981] 669b
- Rutledge Lake (NMT)
data on fish [MOSHENKO 1980] DR175
- Salmo gairdneri
See: Trout, rainbow
- Salmon, coho
oxygenation characteristics of polymorphic hemoglobins [GILES 1980] 592
- Salvelinus
alpinus See: Charr, Arctic
fontinalis See: Trout, brook
teucomensis See: Charr, white-spotted
malma See: Dolly Varden
namaycush See: Trout, lake
- Sampling chironomid emergence using submerged funnel traps in S. Indian L. [ROSENBERG 1980] 648p
- Sampling emerging Chironomidae with submerged funnel traps in S. Indian L. [ROSENBERG 1980] 622
- Sanagak Lake (NMT)
distribution of Ephemeroptera [COBB 1980] 582
- Saqvaqujac (NMT)
hydrometeorological data [DALTON 1981] DR273
methane addition to lake [WELCH 1980] 576
- Saskatchewan
25 year scenario of resource developments in [WRIGHT 1980] MR1546
- Sauger
Cs-137 etc. in fish from lakes [ELLIOTT 1981] DR293
Hg methylation by fish intestinal contents [RUDD 1980] 634
methoxychlor studies with fish from Athabasca R. [LOCKHART 1980] 614c
- Saunders Lake (NMT)
data on fish [MOSHENKO 1980] DR175
- Scaphyrhynchus
albus See: Sturgeon, pallid
platyrhynchus See: Sturgeon, shovelnose
- Seasonal abundance, zooplankton
L.223 [CHANG 1981] DR290
L.227, 1969-78 [CHANG 1980] DR182
L.382 [MELLINGER 1980] 622b
- Seasonal successions of phytoplankton in 7 lake basins ELA 1977-79 [FINDLAY 1981] MR1627
- Seasonal variations of zooplankton in ELA 382 [MELLINGER 1980] 622b
- Sediment
comparison of in situ & in vitro rates of methane release [KELLY 1980] 628
detn of niclosamide [MUIR 1980] 629
detn of terbutryn & degradation products [MUIR 1980] 625
detn of triarylphosphates [MUIR 1980] 641a
effects of acidification on mobilization of heavy metals [SCHINDLER 1980] 601 (614)
extraction & cleanup for detn of triaryl phosphates [MUIR 1981] 651
factors controlling oxygen depletion in ice-covered lakes [MATHIAS 1979] 591
fate of fenitrothion in small ponds [MALIS 1980] 641b
fate of terbutryn in farm ponds [MUIR 1981] 670
in situ measurements of pore water diffusion coefficients [HESSLEIN 1980] 612 (614)
measurement of Hg methylation [FURUTANI 1980] 638
methanogenesis: measure of heterotrophic activity in anaerobic lake [KELLY 1979] 581
persistence of 3 organophosphorus insecticides [HUGHES 1980] 622a
quantitative monitoring of levels from Landsat [CHARGARLANUDI 1980] 648f
responses of Chironomidae to additions in Harris R. [ROSENBERG 1980] 656

- whole-lake model for distribution of sediment-derived chemical species [HESSLEIN 1980] 613 (614)
- Sediment funneling
maintenance of iron meromixis by iron redeposition [CAMPBELL 1980] 630
- Sediment transport
hydrometeorological data for ELA 1969-78 [BEATY 1981] DR285
watershed data on L. Winnipeg [BRUNSKILL 1980] MR1556
- Sediment-water interactions [HESSLEIN 1980] 602 (614)
effects of acidification on mobilization of heavy metals [SCHINDLER 1980] 601 (614)
fates of metal radiotracers added to whole lake [SCHINDLER 1980] 595 (614)
whole-lake model for distribution of sediment-derived chemical species [HESSLEIN 1980] 613 (614)
- Sedimentable fraction
accumulation of chemostimulatory amino acids by fraction from olfactory rosettes of rainbow trout [BROWN 1981] 663
- Selection of biochemical techniques for detection of sublethal effects [UTHE 1980] 633a
- Selenium
dynamics in Hg contaminated ecosystems [RUDD 1980] 621
effects of acidification on mobilization from sediments [SCHINDLER 1980] 601 (614)
experimental study of chemistry in soft-water lakes [JACKSON 1980] 602a (614)
fates of radiotracers added to whole lake: sediment-water interactions [HESSLEIN 1980] 602 (614)
induced tolerance to Cd in white suckers [DUNCAN 1980] TR975 646e
mechanisms of movement of Hg into aquatic biota [RUDD 1980] 625c
- Semotilus margarita
See: Dace, pearl
- Seston
radiochemical analysis of orthophosphate concentrations in 2 Shield lakes [LEVINE 1980] 607 (614)
- Severson Lake (Ont.)
oxygen depletion [MATHIAS 1979] 591
- Sewage, domestic
experimental studies on effect of As on microbial degradation [BRUNSKILL 1980] 603 (614)
- Scale age
comparison of fin-ray & scale age for lake whitefish [MILLS 1980] 611 (614)
- Sculpin, slimy
central Keewatin region [MacDONALD 1980] 648c
- Shad, gizzard
literature review of life history [SWAIN 1980] 648a
- Shell Lake (Sask.)
current status of lymphocystis & related diseases in walleye [KELLY 1980] 637a
- Shiner, emerald
Athabasca R. [BOND 1980] 621a
- Shiner, spottail
Athabasca R. [BOND 1980] 621a
- Short-term experimental sediment additions
responses of Chironomidae [ROSENBERG 1980] 656
- Silicon
interrelationships between cycles of elements in freshwater ecosystems [SCHINDLER 1981] 675b
- Simuliidae
influence of formulation of toxicity of methoxychlor [SEBASTIEN 1981] 657
- Simulium
effects of methoxychlor larviciding [FLANNAGAN 1980] 614a; [FLANNAGAN 1980] 614b
- Sixteenth annual workshop on pesticide residue analysis [MUIR 1981] 673a
- Size-limit regulations
sport fisheries in Brabant I.-Beaver L. area of Mackenzie R. [FALK 1980] MR1553
- Skaha Lake (BC)
influence of eutrophication on benthic communities [SAETHER 1980] 632
- Skiff fishery
economic performance in W. Canada [THOMPSON 1981] TR1037
- Slemon Lake (NWT)
data on fish [MOSHENKO 1980] DR175
- Slope of Monod equation as indicator of advantage in nutrient competition [HEALEY 1980] 578
- Smelt, rainbow
literature review of life history [SWAIN 1980] 648a
- Smelter, base metal
analysis of *Myriophyllum* as indicator of metal contamination [FRANZIN 1980] 617
elevated Zn, Cd & Pb in ice-covered lakes [FRANZIN 1981] 649
examination of Cd, Cu & Hg concentrations in N. pike & sucker [McFARLANE 1980] 641
fallout, distribution & some effects of Zn etc. [FRANZIN 1980] 644a
- Snow melt
elevated Zn, Cd & Pb in ice-covered lakes [FRANZIN 1981] 649
- Snowbird Lake (NWT)
data on fish [MOSHENKO 1980] DR175
- Snowpack samples
fallout, distribution & some effects of Zn etc. near base metal smelter [FRANZIN 1980] 644a

Societas Internationalis Limnologiae
hypertrophic ecosystems [BARICA 1980] 645a

Soil

persistence & movement of cyanazine & procya-
zine [YOO 1981] 662a

Solar collectors

combination solar collector with recirculation
units fish culture [AYLES 1980] 648h

Some biological characteristics of plains aqua-
tic ecosystems [BARICA 1980] 620

Some errors noted in online data bases [MARSHALL
1980] 618

Some pitfalls in using fish tissues as indica-
tors of metal concentrations [FRANZIN 1980]
TR975 646i

Some principles of compatible hydroelectric
design [NEWBURY 1981] 675f

South Carolina

females & immatures of Paracricotopus [SAETHER
1980] 640

Southern Indian Lake (Man.)

comparison of fin-ray & scale age for lake
whitefish [MILLS 1980] 611 (614)
depression of primary productivity by humic
matter [JACKSON 1980] 648g
mercury levels [McGREGOR 1980] DR195
physiological indicators of nutrient defi-
ciency in phytoplankton [HEALEY 1980] 604
(614)
post-impoundment changes in commercial fishing
of lake whitefish [BODALY 1980] MR1555
pre- & post-impoundment fish catches [BODALY
1980] DR201
pre- & post-spawning movements of walleye
[BODALY 1980] TR931
sampling emerging Chironomidae with submerged
funnel traps [ROSENBERG 1980] 622;
[ROSENBERG 1980] 648p
water budgets [McCULLOUGH 1981] MR1620

Sparganium sp.

indicator of metal contamination [FRANZIN
1980] 617

Spatial structure of crustacean planktonic com-
munity in L. Winnipeg [PATALAS 1981] 671

Spawning

pre- & post-spawning movements of walleye in
S. Indian L. [BODALY 1980] TR931

Species composition & seasonal abundance of zoo-
plankton in L. 227, 1969-78 [CHANG 1980]
DR182

Species composition of zooplankton in L. 223,
1974-79 [CHANG 1981] DR290

Splake, a hybrid charr [BERST 1980] 627a

Split Lake (Man.)

Hg levels [McGREGOR 1980] DR195

Sport fishery

See: Angling

Spring Lake (NWT)

bathymetric map hydrometeorological data 1977-
80 [DALTON 1981] DR273

Stability, thermal

relationship between thermal stability & sum-
mer oxygen depletion in pothole lake [PAPST
1980] 635

Staff

biennial report 1976-78 [SCOTT 1981] TR1019

Staff publications

index 1978-79 [MARSHALL 1981] TR992

Stagg Lake (NWT)

data on fish [MOSHENKO 1980] DR175

Standing crop

effects of experimental injection of methoxy-
chlor on aquatic invertebrates [FLANNAGAN
1980] 614a

State of the art of environmental contaminant
level monitoring [UTHE 1981] 675k

Statistical studies

further considerations of time trend detns
[SCOTT 1981] 675j
maximizing information return from preference
& avoidance response data [DE MARCH 1980]
TR975 646f

Status of lymphocystis & related diseases in
walleye [KELLY 1980] 637a

Status of sport fisheries in Brabant I.-Beaver
L. area of Mackenzie R. [FALK 1980] MR1553

Steeptank River (Alta)

ecological studies of aquatic invertebrates of
AOSERP study area [BARTON 1980] 624a

Stenodus leucichthys

See: Inconnu

Stickleback, ninespine

central Keewatin region [MacDONALD 1980] 648c

Stimulants, olfactory

structure activity relationships of [HARA
1981] 675e

Stizostedion

canadense See: Sauger
vitreum See: walleye

Stock assessment

Arctic char in Gjoa Haven-Pelly Bay area
[KRISTOFFERSON 1982] MR1591

Stocking

growth, survival & distribution of Gammarus
stocked into ponds [MATHIAS 1981] TR989

Stocking density

growth & survival of walleye in rearing ponds
near L. Winnipegosis [CAMPBELL 1980] TR949
preliminary experiments on growth of walleye
fingerlings [LI 1981] TR1041

- Stonefly head cholinesterase as indicator of exposure to fenitrothion [FLANNAGAN 1981] 659
- Stratification
denitrification in L.227 during summer stratification [CHAN 1980] 614
- Stream reclamation
ecological studies of aquatic invertebrates of AOSERP study area [BARTON 1980] 624a
- Stream water quality
effects of windstorm & forest fire on chemical losses from watershed [SCHINDLER 1980] 596 (614)
- Streamflow patterns
nature of streams [NEWBURY 1980] 634a
- Stress
Cd & Hg stress in plankton of L.382 [MARSHALL 1981] 672a
- Structure, spatial
crustacean planktonic community in L.Winnipeg [PATALAS 1981] 671
- Structure-activity relationships of olfactory stimulants [HARA 1981] 675e
- Studies on dissipation of diflubenzuron & methoprene from ponds [MADDER 1980] 593
- Sturgeon, pallid
literature review of life history [SWAIN 1980] 648a
- Sturgeon, shovelnose
literature review of life history [SWAIN 1980] 648a
- Sublethal bioassay
evaluation of Cd toxicity to osmoregulatory function in rainbow trout [GILES 1980] TR975 646c
- Sublethal effects
behavioral reactions of whitefish to food extract [KAMCHEN 1980] TR975 646g
cardiovascular-respiratory responses of rainbow trout to Cd [MAJEWSKI 1981] 667
induced tolerance to Cd in white suckers [DUNCAN 1980] TR975 646e
methoxychlor studies with fish: Athabasca R. [LOCKHART 1980] 614c
selection of biochemical techniques for detection of sublethal effects [UTHE 1980] 633a
- Sublethal tests
bibliography of toxicity test methods for aquatic environment [McLEAN 1980] 642
Ca uptake in crayfish [MALLEY 1979] 590p
- Submerged funnel traps
sampling emerging Chironomidae in S.Indian L. [ROSENBERG 1980] 622; [ROSENBERG 1980] 648p
- Substrates, artificial
effects of synthetic crude oil on benthic river communities [LOCK 1981] 654
- Successions, phytoplankton
in L.223 as result of lowering pH [FINDLAY 1980] MR1585
in 7 ELA lake basins 1977-79 [FINDLAY 1981] MR1627
- Sucker
Hg methylation by fish intestinal contents [RUDD 1980] 634
- Sucker, longnose
Athabasca R. [BOND 1980] 621a
central Keewatin region [MacDONALD 1980] 648c
Cs-137...in, from lakes [ELLIOTT 1981] DR293
Gt Bear R. [CHANG-KUE 1980] MR1510
Mackay R. watershed [MACHNIAK 1980] 629a
mercury levels in lakes on Churchill-Rat-Burntwood & Nelson R. systems 1970-79 [McGREGOR 1980] DR195
Mosquito Creek 1973-78 [FALK 1980] DR186
pre- & post-impoundment fish catches S.Indian L. 1972-79 [BODALY 1980] DR201
- Sucker, white
Athabasca R. [BOND 1980] 621a
Cd, Cu, & Hg concentrations from near Flin Flon [McFARLANE 1980] 641
Gt Bear R. [CHANG-KUE 1980] MR1510
induced tolerance to Cd [DUNCAN 1980] TR975 646e
Mackay R. watershed [MACHNIAK 1980] 629a
methoxychlor studies Athabasca R. [LOCKHART 1980] 614c
pre- & post-impoundment fish catches S.Indian L. 1972-79 [BODALY 1980] DR201
- Sulfur cycling
experimental acidification of L.223 background data [SCHINDLER 1980] 598 (614)
interrelationships between cycles of elements in freshwater ecosystems [SCHINDLER 1981] 675b
- Sulfur dioxide emissions [SCHINDLER 1981] 675c
- Summary of Hg levels in lakes on Churchill-Rat-Burntwood & Nelson R. systems 1970-79 [McGREGOR 1980] DR195
- Summer oxygen depletion
relationship between thermal stability & summer oxygen depletion in pothole lake [PAPST 1980] 635
- Summer stratification
denitrification in L.227 during summer stratification [CHAN 1980] 614
- Summerkill
relationship between thermal stability & summer oxygen depletion in pothole lake [PAPST 1980] 635
some biological characteristics of plains aquatic ecosystems [BARICA 1980] 620
- Suspended sediments
effect of water chemistry on uptake of organic pollutants by fish [MUIR 1980] TR975 646a
- Survey of aquatic resources of central Keewatin region [MacDONALD 1980] 648c
- Survey of fish resources of Gt Bear R. [CHANG-KUE 1980] MR1510

Survival

- bias & loss of precision due to tag loss in mark-recapture experiments [ARNASON 1981] 669
- comparison of fin-ray & scale age for lake whitefish [MILLS 1980] 611 (614)
- decreased survival & Ca uptake by *Orconectes* in low pH [MALLEY 1980] 600 (614)
- effects of survival, growth & reproduction of *Daphnia magna* [LEONHARD 1979] 590j
- growth, survival & distribution of *Gammarus* stocked into ponds [MATHIAS 1981] TR989
- growth & survival of walleye in rearing ponds near L. Winnipegosis [CAMPBELL 1980] TR949
- preliminary experiments on growth of walleye fingerlings [LI 1981] TR1041

Suspended carbon

- phytoplankton primary production, chlorophyll & suspended C in ELA 1979 [DeCLERCQ 1980] DR200; [DeBRUYN 1981] DR260

Synapomorphy

- underlying synapomorphies & anagenetic analysis [SAETHER 1979] 589
- underlying synapomorphy & inside-parallelism in Chironomidae & Chaoboridae [SAETHER 1979] 588

Synedra radians

- analysis of response of hypolimnetic phytoplankton to light & P [KNOECHEL 1980] 614

Synthetic crude oil

- effects on benthic river communities [LOCK 1981] 654; [LOCK 1981] 655

Tagging

- bias & loss of precision due to tag loss in mark-recapture experiments [ARNASON 1981] 669
- data from Arctic grayling sport fishery on Kakisa R. 1979 [FALK 1980] DR199
- data on walleye & other fish spp. from Mosquito Creek 1973-78 [FALK 1980] DR186
- fish populations in Peace-Athabasca Delta & effects of water control [KRISTENSEN 1981] DR61
- fish resources of Gt Bear R. [CHANG-KUE 1980] MR1510
- walleye sport fishery on Mosquito Creek 1973-78 [FALK 1980] MR1559

Tahoe, Lake

- influence of eutrophication on benthic communities [SAETHER 1980] 632

Tanganyika, Lake

- Lobocystis dichotoma* var. *mucosa*...new record [KLYNG 1981] 674
- methane oxidation [RUDD 1980] 633
- phytoplankton of euphotic zone [HECKY 1981] 661
- primary production & algal growth [HECKY 1981] 660
- relationships between primary & fish production [HECKY 1980] 662

Teaching

- enseignement novateur de l'entomologie aquatique [RESH 1981] 675a

Teratogenesis in lake trout in acidified lake

- [KENNEDY 1980] 648

Terbutryn

- comparison of the environmental dynamics of 2 aquatic herbicides [MUIR 1981] 673e
- detn of terbutryn & degradation products [MUIR 1980] 625
- fate in farm ponds [MUIR 1981] 670

Terry Lakes (NMT)

- data on fish [MOSHENKO 1980] DR175

Test, histochemical, for olfactory function in fish

- [EVANS 1979] 590b

Test fisheries

- Arctic charr from Baffin region [KRISTOFFERSON 1981] DR255

Testing effects on cardiovascular & respiratory functions in fish

- [MAJEWSKI 1979] 590o

Testing embryonic & larval life stages in fish

- [MacDONALD 1979] 590n

Testing locomotor activity responses with ultrasonic beams

- [SCHERER 1979] 590t

Testing responsiveness to overhead-light stimulation

- [SCHERER 1979] 590r

Tests, toxicity

- advantages & disadvantages of using invertebrates [MACIOROWSKI 1980] 643
- bibliography [McLEAN 1980] 642
- essais de toxicité pour organismes d'eau douce [SCHERER 1981] 653
- toxicity tests for freshwater organisms [SCHERER 1979] 590
- See also: Toxicity

Tests for *Orconectes* [LEONHARD 1979] 590i*Tetrahymena vorax*

- culture [LAWRENCE 1981] 652a
- microbial predator-prey test system [LAWRENCE 1979] 590h

Thekulthili Lake (NMT)

- data on fish [MOSHENKO 1980] DR175

Thelon River (NMT)

- aquatic resources [MacDONALD 1980] 648c

Thermal stability

- relationship between thermal stability & summer oxygen depletion in pothole lake [PAPST 1980] 635

Thermal stratification

- morphometry of lakes & chemical analysis of water in Heming L. area [BABALUK 1980] MR1575

Thermocline

- vertical diffusion rates determined by tritium tracer [QUAY 1980] 617a

Thermodynamic origin of ecosystems [JOHNSON 1981] 664

Third Sister Lake (Mich.)

- comparison of in situ & in vitro rates of methane release [KELLY 1980] 628

Thirty Mile Lake (NMT)

- distribution of Ephemeroptera [COBB 1980] 582

Thompson Lake (Man.)

analysis of *Myriophyllum* as indicator of metal contamination [FRANZIN 1980] 617
elevated Zn, Cd & Pb in ice-covered lakes [FRANZIN 1981] 649
examination of Cd, Cu & Hg concentrations in N.pike & sucker [McFARLANE 1980] 641

Thorium

effects of acidification on mobilization from sediments [SCHINDLER 1980] 601 (614)
experimental study of chemistry in soft-water lakes [JACKSON 1980] 602a (614)

Three female chironomid genitalia [SAETHER 1980] 615

Three-year study of effects of enclosure on zooplankton [MELLINGER 1981] 669b

Thymallus arcticus

See: Grayling, Arctic

Tibbit Lake (NWT)

data on fish [MOSHENKO 1980] DR175

Time trend determinations

further considerations [SCOTT 1981] 675j

Tolerance

induced tolerance to Cd in white sucker [DUNCAN 1980] TR975 646e

Toxicity

Cd & Hg stress in plankton of L.382 [MARSHALL 1981] 672a
effects of acid & Cd on zooplankton in Shield lake [LAWRENCE 1980] TR975 646d
essais de toxicité pour organismes d'eau douce [SCHERER 1981] 653
evaluation of acute toxicity of Cd to nymphs of *Hexagenia* [LEONHARD 1980] 586
evaluation of Cd toxicity to osmoregulatory function in rainbow trout [GILES 1980] TR975 646c
induced tolerance to Cd in white suckers [DUNCAN 1980] TR975 646e
influence of formulation on toxicity of methoxychlor [SEBASTIEN 1980] 614d;
[SEBASTIEN 1981] 657
lake water chemistry & Zn toxicity to plankton communities [MARSHALL 1981] 669a
use of growth rate for testing toxicant effects on algae [HEALEY 1979] 590g

Toxicity, sublethal

behavioral reactions of whitefish to food extract [KAMCHEN 1980] TR975 646g

Toxicity test methods

bibliography of toxicity test methods for aquatic environment [McLEAN 1980] 642

Toxicity testing

advantages & disadvantages of using invertebrates [MACIOWSKI 1980] 643
use of eggs of *Hexagenia* [FRIESEN 1979] 590d

Toxicity tests for freshwater organisms [SCHERER 1979] 590; [SCHERER 1981] 653

Toxicity workshop

proceedings 6th annual aquatic 1979 [KLAVERKAMP 1980] TR975

Trace metal analysis

contaminants in [LUTZ 1980] TR975 646h

Trace metal chemistry

experimental study of, in soft-water lakes [JACKSON 1980] 602a (614)

Trail River (NWT)

effects of crude oil on Ephemeroptera [ROSENBERG 1980] 585

Traps (insect emergence)

sampling emerging Chironomidae in S.Indian L. [ROSENBERG 1980] 622; [ROSENBERG 1980] 648p

Trianaenophorus

post-impoundment changes in commercial fishing of lake whitefish in S.Indian L. [BODALY 1980] MR1555

Triarylphosphate

detn in fish [MUIR 1980] 641a; [MUIR 1981] 651

Triazines

persistence & movement in soil [YOO 1981] 662a

Trichoptera

acute & long term effects of methoxychlor larviciding [FLANNAGAN 1980] 614b
changes in profundal, of L.Winnipeg [FLANNAGAN 1981] 675
ecological studies in AOSERP study area [BARTON 1980] 624a
effects of experimental injection of methoxychlor [FLANNAGAN 1980] 614a

Triphenyl phosphate

effect of water chemistry on uptake of organic pollutants by fish [MUIR 1980] TR975 646a
uptake by rainbow trout [MUIR 1980] 639

Tripodura

female genitalia [SAETHER 1980] 615

Trissocladius brevipalpis

female & immatures [SAETHER 1980] 644

Tritium

in situ measurements of pore water diffusion coefficients [HESSLEIN 1980] 612 (614)
vertical diffusion rates determined by tracer [QUAY 1980] 617a

Tropocyclops

effects of acid & Cd in Shield lake [LAWRENCE 1980] TR975 646d

Trout, brook

dehydrogenase isozymes [CLAYTON 1980] 627
splake, a hybrid charr [BERST 1980] 627a

Trout, lake

central Keewatin region [MacDONALD 1980] 648c
Cs-137...in populations from lakes [ELLIOTT 1981] DR293
data from 59 lakes in NWT 1959-68 [MOSHENKO 1980] DR175
effects of lake acidification on embryonic development [KENNEDY 1980] TR975 646b
Gt Bear R. [CHANG-KUE 1980] MR1510
splake, a hybrid charr [BERST 1980] 627a
teratogenesis in acidified lake [KENNEDY 1980] 648

Trout-perch
Athabasca R. [BOND 1980] 621a

Trout, rainbow
accumulation of chemostimulatory amino acids
by fraction from olfactory rosettes [BROWN
1981] 663
brain acetylcholinesterase inhibition
[KLAVERKAMP 1980] 637
cardiovascular-respiratory responses to Cd
[MAJEWSKI 1981] 667
effect of high erucic acid rapeseed oil in
diet [YURKOWSKI 1981] 675n
effect of water chemistry on uptake of organic
pollutants [MUIR 1980] TR975 646a
environmental dynamics of phosphate esters
[MUIR 1981] 673
evaluation of Cd toxicity to osmoregulatory
function [GILES 1980] TR975 646c
influence of formulation on toxicity of
methoxychlor [SEBASTIEN 1980] 614d;
[SEBASTIEN 1981] 657
methoxychlor studies in Athabasca R. [LOCKHART
1980] 614c
uptake of ethalfluralin [LOCKHART 1980] 646j
uptake of triphenyl phosphate [MUIR 1980] 639

Tsu Lake (NMT)
data on fish [MOSHENKO 1980] DR175

Tubifex tubifex
influence of eutrophication on deep lake ben-
thic communities [SAETHER 1980] 632

Tuktoyaktuk (NMT)
Doncricotopus bicaudatus [SAETHER 1981] 666

Turbidity
post-impoundment changes in commercial fishing
of lake whitefish in S. Indian L. [DODALY
1980] NR1555

Tvetenia
diagnoses [SAETHER 1981] 665

Twelve Mile Lake (Ont.)
oxygen depletion [MATHIAS 1979] 591

Twenty-five year scenario of resource develop-
ments in Prairie Provinces & NMT [WRIGHT 1980]
NR1546

2-methylisoborneol
cause of muddy odor [YURKOWSKI 1980] 636

Typha
fate of terbutryn in farm ponds [MUIR 1981]
670

Ultrasonic beams
testing locomotor activity responses [SCHERER
1979] 590c

Underlying synapomorphies & anagenetic analysis
[SAETHER 1979] 589

Underlying synapomorphy & inside-parallelism in
Chironomidae & Chaoboridae [SAETHER 1979] 588

Unger Lake (Man.)
morphometry & chemical analysis of water
[BABALUK 1980] NR1575

Union Lists
regional reports: Manitoba [MARSHALL 1980]
619

Uptake & bioaccumulation of triphenyl phosphate
by rainbow trout [MUIR 1980] 639

Uptake & bioaccumulation of 2-ethylhexyl
diphenyl phosphate...by fish [MUIR 1981] 673

Uptake of ethalfluralin and other pesticides by
fish [LOCKHART 1980] 646j

Uptake of herbicides by duckweed [LOCKHART 1981]
673d

Uptake of organic pollutants
effect of water chemistry on [MUIR 1980]
TR975 646a

Uranium
25 year scenario of resource developments in
Prairie Provinces & NMT [WRIGHT 1980] NR1546

Uranium refinery
Eldorado Uranium refinery, report of Environ-
mental Assessment Panel [KLENAVIC 1980] 648m

Urine production in Hemigrapsus nudus [DENNEL
1980] 648b

Use of eggs of Hexagenia in toxicity testing
[FRIESEN 1979] 590d

Use of growth rate for testing toxicant effects
on algae [HEALEY 1979] 590g

Use of Helisoma in multigeneration mortality,
growth & fecundity [FLANNAGAN 1979] 590c

Use of zebrafish in whole-life-cycle tests
[LILLIE 1979] 590k

Utricularia vulgaris
indicator of metal contamination [FRANZIN
1980] 617

Vaillant Lake (NMT)
data on fish [MOSHENKO 1980] DR175

Valuation of recreational fisheries [CAUVIN
1980] 631

Vanadium
effects of acidification on mobilization from
sediments [SCHINDLER 1980] 601 (61d)
experimental study chemistry in soft-water
lakes [JACKSON 1980] 602a (61d)

Vattern, Lake (Sweden)
influence of eutrophication on benthic com-
munities [SAETHER 1980] 632

Vertical diffusion rates determined by tritium
tracer [QUAY 1980] 617a

Virus
fish cell culture: continuous fibroblastic
cell line from walleye [KELLY 1980] 624
new MLV of fish [KELLY 1980] 616a

- Mabigoon-English River System
discussion, with tentative conclusions...Hg in system [JACKSON 1980] 625b
introduction: problem of Hg pollution in system [JACKSON 1980] 625a
- Walleye
Athabasca R. [BOND 1980] 621a
current status of lymphocystis & related diseases [KELLY 1980] 637a
feeding habits of fingerlings [LI 1981] TR1040
fish cell culture: continuous fibroblastic cell line from walleye [KELLY 1980] 624
geosmin & 2-methylisoborneol, cause of muddy odor [YURKOWSKI 1980] 636
Gt Bear R. [CHANG-KUE 1980] MR1510
growth & survival in rearing ponds near L. Winnipegosis [CAMPBELL 1980] TR949
growth of fingerlings [LI 1981] TR1041
Mackay R. watershed [MACHNIAK 1980] 629a
mercury levels on Churchill-Rat-Burntwood & Nelson R. systems 1970-79 [MCGREGOR 1980] DR195
mercury methylation by intestinal contents [RUDD 1980] 634
methoxychlor studies Athabasca R. [LOCKHART 1980] 614c
Mosquito Creek 1973-78 [FALK 1980] DR186
new herpes-like virus [KELLY 1980] 616a
Peace-Athabasca Delta & effects of water control, data [KRISTENSEN 1981] DR61
pre- & post-impoundment fish catches S. Indian L. 1972-79 [BODALY 1980] DR201
pre- & post-spawning movements in S. Indian L. [BODALY 1980] TR931
- Walleye sport fishery on Hay R. 1978 [MOSHENKO 1980] DR188
- Walleye sport fishery on Mosquito Creek 1973-78 [FALK 1980] MR1559
- Wapun Lake (Man.)
current status of lymphocystis & related diseases in walleye [KELLY 1980] 637a
morphometry of lakes & chemical analysis of water area [BABALUK 1980] MR1575
- Waste heat
current bibliography on utilization in aquaculture [PAPST 1981] MR1598
- Wastewater treatment
recent trends in environmental impact assessment [ROSENBERG 1981] 658
- Water budgets for S. Indian L. 1972-79 [McCULLOUGH 1981] MR1620
- Water chemistry
effect on uptake of organic pollutants by fish [MUIR 1980] TR975 646a
experimental acidification of L.223 background data [SCHINDLER 1980] 598 (614)
lake water chemistry & Zn toxicity to plankton communities [MARSHALL 1981] 669a
- Water control structures
fish populations in Peace-Athabasca Delta & effects of water control, data [KRISTENSEN 1981] DR61
- Water diversion
recent trends in environmental impact assessment [ROSENBERG 1981] 658
- Water Lake (NWT)
oxygen depletion [MATHIAS 1979] 591
- Water quality
effects of windstorm & forest fire on chemical losses from watershed [SCHINDLER 1980] 596 (614)
research to support water quality guidelines [SCHERER 1980] 648c
some biological characteristics of plains aquatic ecosystems [BARICA 1980] 620
- Water recirculation units
combination solar collector with recirculation units in fish culture [AYLES 1980] 648h
- Water renewal efficiency of watershed & lake combinations in ELA [NEUBURY 1980] 597 (614)
- Water renewal times
maintenance of Fe meromixis by Fe redeposition [CAMPBELL 1980] 630
- Water transparency
ELA 1979 [SHEARER 1980] DR189; 1980 [SHEARER 1981] DR259
- Water yield
effects of windstorm & forest fire on chemical losses from watershed [SCHINDLER 1980] 596 (614)
- Watershed
effects of windstorm & forest fire on chemical losses from watershed [SCHINDLER 1980] 596 (614)
- Watershed data
L. Winnipeg [BRUNSKILL 1980] MR1556
- Watershed hydrology
hydrometeorological data for ELA 1969-78 [BEATY 1981] DR285
water renewal efficiency of watershed & lake combinations in ELA [NEUBURY 1980] 597 (614)
- Watta Lake (NWT)
data on fish [MOSHENKO 1980] DR175
- Wecho Lake (NWT)
data on fish [MOSHENKO 1980] DR175
- West Blue Lake (Man.)
current status of lymphocystis & related diseases in walleye [KELLY 1980] 637a
- Western Region (DFO)
biennial report 1976-78 [SCOTT 1981] TR1019
Freshwater Institute (Review of programs) [CAMPBELL 1980] 642a
index to staff publications 1978-79 [MARSHALL 1981] TR992
- Wheeler Lake (NWT)
data on fish [MOSHENKO 1980] DR175
- Whitefish, broad
Gt Bear R. [CHANG-KUE 1980] MR1510

- Whitefish, Lake
behavioral & electrophysiological studies
[HARA 1981] 668a
behavioral reactions to food extract [KAMCHEN
1980] TR975 646g
bias & loss of precision due to tag loss in
mark-recapture experiments [ARNASON 1981]
669
biochemical genetic evidence for isolation
[FOOTE 1980] 620b
central Keewatin region [MacDONALD 1980] 648c
Cs-137...in populations from lakes [ELLIOTT
1981] DR293
comparison of fin-ray & scale age detn [MILLS
1980] 611 (614)
data from 59 lakes in NWT 1959-68 [MOSHENKO
1980] DR175
environmental effects of chemicals [SCHERER
1980] 648u
geosmin & 2-methylisoborneol, cause of muddy
odor [YURKOWSKI 1980] 636
Gt Bear R. [CHANG-KUE 1980] MR1510
Gt Slave L. 1979 [MOSHENKO 1980] DR194; 1980
[MOSHENKO 1981] DR305
lipid changes during embryonic development
[YURKOWSKI 1980] 648l
maximizing information return from preference
& avoidance response data [DE MARCH 1980]
TR975 646f
mercury levels in lakes on Churchill-Rat-
Burntwood & Nelson R. systems 1970-79
[McGREGOR 1980] DR195
Peace-Athabasca Delta & effects of water
control [KRISTENSEN 1981] DR61
responses to whole-lake fertilization [MILLS
1981] 675g
S. Indian L. post-impoundment changes [BODALY
1980] MR1555
S. Indian L. pre- & post-impoundment fish
catches [BODALY 1980] DR201
- Whitefish Lake (NWT)
data on fish [MOSHENKO 1980] DR175
- Whitefish, mountain
Gt Bear R. [CHANG-KUE 1980] MR1510
- Whitefish, round
central Keewatin region [MacDONALD 1980] 648c
Cs-137...in populations from lakes [ELLIOTT
1981] DR293
Gt Bear R. [CHANG-KUE 1980] MR1510
Mosquito Creek [FALK 1980] DR186
- Wholdala Lake (NWT)
data on fish [MOSHENKO 1980] DR175
- Whole-lake experiments
comment on FEE 1979 [PATALAS 1980] 643a
ecological effects of acidification
[SCHINDLER 1980] 648o
experimental acidification [SCHINDLER 1980]
647
experimental manipulation of [SCHINDLER 1981]
675h
response of zooplankton [MALLEY 1980] 648j
responses of lake whitefish to whole-lake
fertilization [MILLS 1981] 675g
- Whole-lake model for distribution of sediment-
derived chemical species [HESSLEIN 1980]
613 (614)
- Whole-lake radiocarbon experiment at ELA
[HESSLEIN 1980] 605 (614)
- Whole-life-cycle tests
use of zebrafish [LILLIE 1979] 590k
- Why hypertrophic ecosystems? [BARICA 1980] 645h
- Wiers
fish populations in Peace-Athabasca Delta &
effects of water control [KRISTENSEN 1981]
DR61
- Wilson Creek (Man.)
nature of streams [NEUBURY 1980] 634a
- Windstorm
effects on chemical losses from watershed
[SCHINDLER 1980] 596 (614)
- Winnipeg, Lake (Man.)
Cs-137...in fish populations [ELLIOTT 1981]
DR293
changes in profundal Trichoptera [FLANNAGAN
1981] 675
comparison of fin-ray & scale age detn for
lake whitefish [MILLS 1980] 611 (614)
morphometry, hydrology & watershed data
[BRUNSKILL 1980] MR1556
physiological indicators of nutrient defi-
ciency in phytoplankton [HEALEY 1980] 604
(614)
spatial structure of crustacean planktonic
community [PATALAS 1981] 671
- Winnipegosis, Lake (Man.)
current status of lymphocystis & related
diseases in walleye [KELLY 1980] 637a
growth & survival of walleye in rearing ponds
near...[CAMPBELL 1980] TR949
- Winter fishing, mechanized
federal fisheries development [WARD 1980]
638a
- Winterkill
some biological characteristics of plains
aquatic ecosystems [BARICA 1980] 620
- Wood Buffalo National Park
goldeye [KRISTENSEN 1981] MR1560
- Wood Lake (BC)
influence of eutrophication on benthic com-
munities [SAETHER 1980] 632
- Workshop
Arctic marine mammal [DAVIS 1981] TR1005
hypertrophic ecosystems [BARICA 1980] 645a
6th annual aquatic toxicity [KLAVERKAMP 1980]
TR975
- Workshop on hypertrophic ecosystems [BARICA
1980] 645a
- Wrigley Lake (NWT)
data on fish [MOSHENKO 1980] DR175
- Yathkyed Lake (NWT)
data on fish [MOSHENKO 1980] DR175
- Yatsore Lake (NWT)
data on fish [MOSHENKO 1980] DR175

Yellowknife area (NWT)

questionnaire survey of sport fishing [FALK
1981] MR1584

York Factory (Man.)

river of spirits [NEWBURY 1981] 657a

Yukon lakes

glaciation & physical, chemical and biological
limnology [LINDSEY 1981] TR966

Zebrafish

use in whole-life-cycle tests [LILLIE 1979]
590k

Zinc

analysis of Myriophyllum as indicator of con-
tamination [FRANZIN 1980] 617

chemical analysis of water in Heming L. area
[BABALUK 1980] MR1575

effects of acidification on mobilization of
heavy metals from sediments [SCHINDLER 1980]
601 (614)

elevated levels in ice-covered lakes [FRANZIN
1981] 649

experimental study of chemistry in soft-water
lakes [JACKSON 1980] 602a (614)

fallout, distribution & some effects near base
metal smelter [FRANZIN 1981] 644a; [FRANZIN
1981] 656a

in fish populations from Gt Slave L. [ELLIOTT
1981] DR293

induced tolerance to Cd in white suckers
[DUNCAN 1980] TR975 646e

lake water chemistry & Zn toxicity to plankton
communities [MARSHALL 1981] 669a

Zooplankton

Cd & Hg stress in L.382 [MARSHALL 1981] 672a
dynamics of Cd stressed communities [MARSHALL
1980] 614

effects of acid & Cd in Shield lake [LAWRENCE
1980] TR975 646d

glaciation & physical, chemical and biological
limnology of Yukon lakes [LINDSEY 1981]
TR966

lake water chemistry & Zn toxicity to commu-
nities [MARSHALL 1981] 669a

persistance of 3 organophosphorus insecticides
[HUGHES 1980] 622a

response to whole lake chemical modifications
[WALLEY 1980] 648j

seasonal variations in ELA 382 [WELLINGER
1980] 622b

spatial structure of crustacean community in
L. Winnipeg [PATALAS 1981] 671

species composition & seasonal abundance in
L.227, 1969-78 [CHANG 1980] DR182

species composition in L.223, 1974-79 [CHANG
1981] DR290

3 prairie lakes [SALKI 1981] 674a

3-year study of effects of enclosure
[WELLINGER 1981] 669b

POOR

QUALITY

ORIGINAL